

# RADIANT TRAINING & CONSULTING, LLC

PROTECTING YOU THROUGH EDUCATION

SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

## **RADIANT** **FIRE AND LIFE SAFETY DIRECTOR F-89/T-89** **1,000 SCENARIOS**

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Revised January 1, 2025

Please **disregard** previous versions of this project

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These 1,000 scenarios are designed to elicit discussions amongst fire protection management professionals in New York City as they are based on local laws, building designs, fire suppression systems, Fire Alarm Control Panel operations, fire safety program members, building safety systems, sub-systems and a general understanding of fire and non-fire emergencies in the built environment. The discussions will generate differences of opinions as to who is correct. Readers are encouraged to seek the dominant answers by discussing the scenarios with colleagues in the fire protection management industry, particularly Fire and Life Safety Directors, Coordinators of Fire Safety, Fire Guards, Building Engineers, Construction Site Fire Safety Managers, Security Officers, Building Managers, First Aid/CPR/AED certified people and others. Internet research is discouraged.

Some of the scenarios intentionally contain correct information, incorrect information, red herrings, and questions that appear to have direct and inferred answers. The scenarios must be read carefully, completely, and accurately, and must be understood in order to relate to the concepts behind them. It is the author's intent to force the reader to engage in critical thinking to arrive at the dominant answers. There is only one dominant answer to each scenario. The author does not believe that one person will be able to answer all 1,000 scenarios correctly without seeking the assistance of colleagues. The concept of sharing these scenarios with as many people as possible is supported by the author. There are no limitations on the number of times the scenarios may be printed from the Radiant website—FREE of charge. Readers may also make copies of the scenarios for distribution purposes.

Radiant Training & Consulting, LLC currently offers the following courses (as of January 1, 2025):

- Fire Emergency Course/Life and Life Safety Director F-89 Program
- Coordinator of Fire Safety F-80 Course
- Non-Fire/EAP Emergency Course/Fire and Life Safety Director F-89 Program
- Active Shooter and Medical Emergency Preparedness Course/Fire and Life Safety Director F-89 Program
- Fire Guard for Impairment Course F-01
- Fire Guard for Homeless Shelters Course F-02
- Indoor/Outdoor Place of Assembly Safety Personnel F-03/F-04
- FLSD On-Site Exam Preparatory Course
- Construction Site Fire Safety Manager Training Course S-56
- Refrigeration System Operating Engineer Q-01
- LL124: Role of the Security Guard in Serving Homeless Shelter Clients
- Security Pre-Assignment Training Course for Security Guards
- Security On-the-Job Training Course for Security Guards
- Security Annual In-Service Training Course for Security Guards
- First Aid, CPR and AED sponsored by the American Red Cross
- Sexual Harassment Course
- Metal Detecting Magnetometers and Handheld Metal Detecting Wands

Radiant also provides fire safety consulting services and prepares Comprehensive Fire Safety and Emergency Action Plans, Fire Safety and Evacuation Plans, Fire Protection Plans and Tenant Protection Plans.

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Radiant's fees for these courses are the lowest in New York City. Please visit our website [radiantraining.com](http://radiantraining.com) for additional information, services and to register for these and other courses.

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### About the Author

Radiant Training & Consulting, LLC was founded by Elvis Polanco, MS, CPP to meet the growing demand for professional training and consulting services in the protection management field. The author's strategic initiatives are designed to provide training and consulting services based on decades of professional experience and a graduate level protection management education.

Mr. Polanco holds a Bachelor of Arts Degree from the Bernard M. Baruch College School of Liberal Arts and Sciences and a Master of Science Degree in Fire Protection Management, *summa cum laude*, from John Jay College of Criminal Justice. He is certified as a Protection Professional—CPP—in Security Management by the ASIS International Professional Certification Board.

As a New York City Fire and Life Safety Director—FLSD, the author combines his security and fire safety management experience, from both academia and the built environment, to develop and administer compelling, comprehensive and incomparable fire safety consulting programs. He is a NYS Certified Security Instructor and an American Red Cross Certified First Aid, CPR/AED Instructor who has authored and published numerous articles on security and fire safety in the built environment in *Security Director* and *Security Director News* magazines. His opinions have been published in the *New York Daily News* and *The Wall Street Journal* and he's been written about in *The Bronx Chronicle*.

His active professional memberships include ASIS International, the National Fire Protection Association (NFPA), the FLS Directors Association of Greater New York (FLSDA), NYPD Shield, the John Jay College Alumni Association and the International Law Enforcement Educators and Trainers Association (ILEETA). He is a Notary Public Officer of the State of New York.

The Company's programs offer sound consulting principles to assist in the resolution of contemporary fire safety issues and emergency management concerns critical to the protection of people from harm and the property from loss.

Radiant recently opened a security services company: Radiant Protection Management, LLC.

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1. Manual pull stations are red. Those in Group "B" buildings and Group "R-1" hotels have a one-inch diagonal white stripe from the top left corner to the bottom right corner. What is the meaning of the white stripe? Why are these white-striped pull stations found in "B" and "R-1" properties? Explain your answer.
  2. A smoke detector is designed to detect smoke and activate a fire alarm. Why must area smoke detectors be located in elevator lobbies? Explain your answer.
  3. A "sky lobby" is an upper floor where passengers must transfer from one elevator bank to another to reach the desired floor. In a two-bank building, will there be a blind shaft on the bank that services the higher floors? Yes/No? Explain your answer.
  4. The FLS Building Evacuation Supervisor is not required to hold a certificate of fitness FLS Director but must have a certificate of fitness fire guard in the event there is a torch operations job scheduled when the building has 500 people or less. True or false? Explain your answer.
  5. The heat that is generated by the sun is transferred via radiation. Why is it not via conduction? Explain your answer.
  6. The ball-drip valve in a fire suppression system is located on the first sub-Grade level of a building. Why is it not located on another level? Explain your answer.

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7. If a FLS Director is not required to be present in a Group "B" building, then who is required to be in the building to address fire and non-fire emergencies in the absence of the FLS Director? And, what determines when a FLS Director is required to be in the building? Explain your answers.
8. No fire alarm activation goes directly from an alarm-sending device to the Fire Department. In a fire alarm system, where do all fire alarms first report the activation of an alarm-sending device and why? Explain your answers.
9. Area smoke detectors are readily visible and usually appear on the ceiling level of a room. Duct smoke detectors are also designed to detect smoke. What are duct smoke detectors and why are they necessary? Explain your answer.
10. In all instances when the system is "off-line" with the central station, what must the FLS Director do to ensure a Fire Department response and why? Explain your answers.
11. A "drain down" occurs when the building engineers have to drain the water from the branch lines on a floor in order to perform work on the sprinkler system. Will the fire alarm activate when the water is drained from the branch lines or when the branch lines are refilled with water after the work is completed? Explain your answer.
12. What is the purpose of the OS&Y valve? Why is it chained/padlocked in the open position even when a Tamper Switch already exists? Explain your answer.
13. Besides asking someone or searching online, where can a person find the name of the FLS Director in a Group "R-1" hotel? Explain your answer.
14. The stairwell design that allows tenants to travel freely between two or more floors is known as an access stair or "convenience stair." Why is it critical for all access stairs in the building to be listed in the Comprehensive Fire Safety and Emergency Action Plan? Explain your answer.
15. If alarm-sending devices are disabled (by-passed) where necessary, for example, due to construction work, it is also necessary to go "off-line". Is this statement true or false? Explain your answer.
16. Manual pull stations are programmed to not activate fail-safe door release due to security concerns. This then prevents the fire alarm from being transmitted to the Fire Department. True or false? Explain your answer.
17. Elevators recall upon the activation of certain automatic smoke and water-flow detecting devices. In Phase I of elevator recall, elevator occupants may communicate with a security officer at the lobby desk via the activation of the elevator's "alarm" button. Is this true or false? Explain your answer.
18. The sprinkler system's Fire Department connections have color-coded caps to identify the type of system in the building. Why are caps made of metal? Explain your answer while considering the integrity of the Lower Check Valve.
19. The "Inspector's Test Valve" in a sprinkler system is located in a specific area of the system to ensure that there is water in the entire system upon inspection. Based on the premise that "if there is water at this point, there must be water in the entire system," where should the Inspector's Test Valve be located? Explain your answer.
20. While the fire alarm system is "on-line," a fire alarm activation is investigated and is determined that it was an unwarranted alarm due to an employee smoking underneath a smoke detector. The FLS Director should immediately disable the smoke detector and reset the system. Are these the correct actions for the FLS Director to execute? Explain your answer.
21. A "rate of rise" heat detector activates when the heat reaches a pre-determined fixed temperature. Is this statement true or false? Explain your answer.

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22. A gravity tank is used to supply water for domestic use in the building via gravity. Why then is an Upper Check Valve needed below the gravity tank on the standpipe riser? Explain your answer.
23. The exposed pipe in a Fire Department Connection is painted green and the caps are painted red. A firefighter responding to a fire alarm activation will assume that the building's fire suppression system consists of a standpipe system only. Is this a correct assumption? Explain your answer.
24. Tom Smith is the facilities manager for Company X. Company X is a leaseholder in a high-rise commercial building. Can Tom Smith be designated to the FLS Brigade? Yes, or no? Explain your answer.
25. Although retail stores have alarm-sending devices connected to the building's fire alarm system, their employees are not required to participate in fire drills because they are not considered tenants of the building. Is this statement true or false? Explain your answer.
26. Bill Sawyer is a porter who has been working for the building's management team less than one week and is assigned to the FLS Brigade. Bill sees a posting for a job vacancy, applies and is hired by Company Y, which is housed in the same building where Bill worked as a porter. Bill is now the facilities coordinator for Company Y; however, Bill wants to remain a member of the FLS Brigade. Can he? Explain your answer.
27. The FLS Director has a scheduled vacation period of two weeks in August. In the absence of the FLS Director, a deputy FLS Director covers the FLS Director's post. The current FLS Building Evacuation Supervisor resigns during the FLS Director's absence. Who will assume the FLS Building Evacuation Supervisor post? Explain your answer.
28. Company M leased 20,000 sf on the 18<sup>th</sup> floor of a commercial high-rise building. Of the 20,000 sf, Company M is sub-leasing 5,000 sf to Company B. Company B is required to have at least two employees, one of which will be assigned as the FLS Warden. Is this statement true or false? Explain your answer.
29. Tenants have the option of tying into a high-rise building's TENANT life safety emergency generator for a fee paid to the landlord. During a blackout, those tenants who opt not to tie into the building's TENANT life safety emergency generator will have no lighting on their floors for emergency egress. True or false? Explain your answer.
30. Some of the stairwells found in high-rise buildings are scissors, fire towers and access stairs. Another stairwell design is known as "return" stairs. What is the main component of this stairwell that differentiates it from the others listed? Explain your answer.
31. When the fire alarm system is "off-line", communication is interrupted somewhere between the alarm-sending device, the Fire Alarm Control Panel, the central station and the Fire Department. Where in this communication string does the fire alarm terminate when the system is "on-line"? Explain your answer.
32. Fire requires oxygen, fuel, heat, and the chemical reaction between these three elements. A carbon dioxide fire extinguisher, when activated to extinguish a fire, will remove the heat element by cooling the fire to a temperature rating that is cooler than the heat required for the fuel to burn. True or false? Explain your answer.
33. A fire extinguisher rated 2A indicates that the fire extinguisher was examined in a controlled setting and is expected to effectively extinguish a Class "A" fire that encompasses 2 sf. Can this rating "change" during a "real time" fire? Does it matter who the person is who is using the extinguisher? Yes, or no? Explain your answers.
34. A person who wishes to acquire a certificate of fitness must provide the Fire Department with an experience verification letter(s) indicating a minimum of 18 months of fire safety related experience. Therefore, the minimum age a person must be in order to be approved to receive a certificate of fitness is 19.5 (18+1.5). True or false? Explain your answer.

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

35. In an auditorium that is housed in a commercial high-rise building and that can accommodate 70 people, will a Place of Assembly Certificate of Operation be required to be produced to a Fire Department inspector? Will a sign indicating the maximum number of people allowed to be in the auditorium be conspicuously posted? Explain your answers.
36. The FLS Director decided to violate the rules and regulations by having the fire alarm company certified technicians test the manual pull stations every three months (4 times per year). What type of violation will the Fire Department issue to the FLS Director? Explain your answer.
37. Check valves are located throughout the fire suppression system to control water movement in the system. The primary function of check valves is to allow the water to enter the system when the fire pump is activated. True or false? Explain your answer.
38. During a vertical patrol of the building, a security officer informs the FLS Director that a "loaded" sprinkler head has been found. The FLS Director informs the security officer that he will contact the Fire Department to have the sprinkler head replaced. What is a "loaded" sprinkler head? Is this action correct on the part of the FLS Director? Explain your answers.
39. James Jones, who is employed by Company J (the leaseholder) in a commercial high-rise building, refuses to be a member of the FLS Brigade because it is a voluntary position with no monetary compensation and extra work duties. The president of Company J terminates Mr. Jones' employment for being uncooperative. Was the president correct in terminating Mr. Jones' employment for refusing to be a member of the FLS Brigade? Explain your answer.
40. A FLS Building Evacuation Supervisor should respond to all fire alarm activations by immediately reporting to the Fire Alarm Control Panel. Should the FLS Building Evacuation Supervisor report to the hotel's Fire Alarm Control Panel and make an announcement, or should he report to the floor below the fire floor? Explain your answer.
41. A patrol of the 20<sup>th</sup> and 21<sup>st</sup> Floor reveals that stairwell doors have been removed. The construction superintendent informs the security officer that they removed the stairwell doors to facilitate them walking and carrying equipment between the two floors. The security officer informs the FLS Director. What would be the proper action for the FLS Director to take? Explain your answer.
42. A candidate for the certificate of fitness FLS Director who is 18 years old reports to the Fire Department with a FLS Director Graduation Diploma from Radiant Training & Consulting, LLC, a completed Certificate of Fitness Application A-20, pre-paid \$25 for the exam fee, an affidavit indicating five years of fire related experience, the completed FLS Application, but is currently unemployed. What would be the Fire Department's response to his application (accept/reject) and why? Explain your answer.
43. Hotels require the participation of hotel employees, but not hotel guests whenever they schedule semi-annual fire drills. Is this statement true or false? Explain your answer.
44. The fire hoses on Standpipe Systems are designed to stretch no more than 125 feet. If the Hose Valve (hand-wheel) is not turned to release the water from the standpipe into the hose, the water flow switch will not activate. Is this statement true or false? Explain your answer.
45. When a hotel guest inadvertently activated the manual pull station on the 30<sup>th</sup> floor, it immediately activated some "actions" such as: the fire siren, the strobe lights, a signal at the Fire Alarm Control Panel, elevator recall and the public address system. Do these actions also occur when a manual pull station is activated in a Group "B" property? Explain your answer.
46. Hotel Guest room doors are equipped with "closers" which allow the doors to self-close. This same principle applies to stairwell doors. When closers are found to be missing, the FLS Director must immediately report this violation

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

to the Deputy FLS Director, who in turn must report the violation to the Department of Buildings. This is the most effective and quickest means to have the missing closers installed. True or false? Explain your answer.

47. A hotel/building has two emergency stairwells labeled "A" and "B." A stairwell used by firefighters is known as the "attack" stairwell. The attack stairwell is pre-defined as the stairwell with the first letter designation, in this case the "A" stairwell. Is this statement true or false? Explain your answer.

48. Hotels that require FLS Directors must provide them 24/7, guests do not participate in fire drills and guests and hotel staffers are not required to activate warden phones. Based on this statement, list the titles of fire safety team members in "R-1" and "B" properties? Explain your answer.

49. When the engineers request a "drain down" of the branch lines of a sprinkler system, the water flow switch for the floor must be disabled to avoid a fire alarm from activating when the engineers drain the branch lines on the floor. True or false? Explain your answer.

50. A central station is an independent company that monitors alarms for a building from a remote location. The fire alarm system transmits an automatic telephone signal to the central station every 24 hours. If this signal fails, it will generate a work order and a central station representative will call the FLS Director advising that the signal was not received. If a fire alarm is activated, where will the signal terminate? What is the first action the FLS Director should immediately take after receiving the call from the central station? Explain your answers.

51. A fire alarm activates while the system is "on-line". It is immediately known what caused the fire alarm to activate. It was not a fire. The FLS Director calls the central station and orders the operator to cancel the Fire Department response. Will the central station operator follow the FLS Director's order? Why? Explain your answers.

52. A candidate for a certificate of fitness FLS Director reports to the Fire Department for the Certificate of Fitness exam with all the required documents, including one experience verification letter using the Fire Department's form letter and which indicates the prerequisite years of experience. It is not notarized. The candidate finds a Notary Public Officer in the area outside Fire Department Headquarters, notarizes it, and returns five minutes later. Will the Fire Department accept the letter? Explain your answer.

53. Buildings usually have four exposures: 1 to 4. A building which has receding exposures on the left and right side is indicative that the square footage decreases in some sections of the building. Based on this statement, what types of roofs are created in buildings with receding exposures? Can this type of roof be found on one exposure only? Explain your answers.

54. A fire alarm is activated by smoke detectors in the elevator lobby on the 35<sup>th</sup> floor of a hotel. Elevator Bank "A" services floors 1-20, Elevator Bank "B" services floors 1, 21-40 and Elevator Bank "C" services floors 1, 35, 41-60. In which elevator bank(s) will Phase I elevator recall activate? Explain your answer.

55. Elevator Bank "A" services floors 1-21, Elevator Bank "B" services floors 21-40 and Elevator Bank "C" services floors 1, 41-60. Which floor has a Sky Lobby and which bank(s) has a blind shaft? Explain your answers.

56. What is the name of the pump that when manually activated will supply water to the sprinkler/standpipe system and activates the Upper Check Valve in the standpipe system? What is the role of the Upper Check Valve when this pump is activated? Explain your answers.

57. The life safety emergency generator must provide power to the tenants' workstations and office computers to ensure continuity of business. True or false? Explain your answer.

58. What is the title of the person who is responsible for ensuring that notifications are made, and precautions are taken when the fire protection system is out of service and the building is occupied? FLS Director? Fire Guard? Impairment Coordinator? Explain your answer.

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

59. What two systems are interfaced to prevent a fire from spreading rapidly throughout a building? What effect does the interface of these two systems have on elevator recall Phase I operations? Explain your answers.
60. A fail-safe door release system allows doors that are interfaced with the Fire Alarm Control Panel to release (unlock) upon activation of a fire alarm. All reentry doors in the emergency stairwells must release, allowing occupants to enter the emergency stairwells from the occupant side without the use of a change key or card key. Is this a true statement? Explain your answer.
61. The Alarm Logbook used by the FLS Director in Building X is a loose-leaf binder with the words: "Fire Alarm Logbook" on the cover. What is the major defect with this logbook? Explain your answer.
62. The switch on the Fire Alarm Control Panel that is used to test the reliability of the bulbs/lights on the Fire Alarm Control Panel is known as the "Lamp Test" switch. The FLS Director is required by the Code to conduct a lamp test every day. What is the name of the logbook in which this information is recorded? Explain your answer.
63. When a Tamper Switch sends a signal to the Fire Alarm Control Panel and the system is "on-line", the Fire Department will respond to investigate the cause of the alarm activation. True or false? Explain your answer.
64. The FLS Director in a new construction of a Group "B" building meets with the property managers to discuss conducting the fire drills every six months. They finalize the dates for the building's first fire drill and notify the tenants via email or hard-copy communication of the dates when their floors are expected to participate in the fire drills. The communication also indicates that all people on the floors at the time of the fire drills must participate. Appropriate signs are posted on the lobby level and by the elevator banks to remind the tenants about the fire drills. Is this FLS Director planning the fire drills correctly? Explain your answer.
65. A fire extinguisher containing water should be used to extinguish Class "A" fires. Why shouldn't water-based fire extinguishers be used to extinguish electrical fires? Explain your answer.
66. A sub-system known as a "pre-action" system contains a clapper valve that separates pressurized air from the source of the extinguishing agent. The components of this system are sprinkler heads and smoke detectors. How does this system work and why it is mostly found in computer rooms? Explain your answers.
67. An automatic wet sprinkler system is usually not installed in loading docks. In lieu of an automatic wet system, what type of system should be installed in loading docks and why? Will this system activate a fire alarm at the Fire Alarm Control Panel? Explain your answers.
68. The fire alarm system has malfunctioned on Floor 20 and the system will not be corrected for a minimum of one week. The FLS Director also holds a certificate of fitness Fire Guard F-01. When there are 500 people or less in the entire building or 100 people or less above or below the street level, the FLS Director works overtime as a Fire Guard on the 20<sup>th</sup> floor. In this situation, is the FLS Director permitted to work as a Fire Guard? Explain your answer.
69. The fire alarm system has malfunctioned on Floor 20 and the system will not be corrected for a minimum of one week. The FLS Building Evacuation Supervisor also holds a certificate of fitness Fire Guard F-01. When there are more than 500 people in the entire building or more than 100 people above or below the street level, the FLS Building Evacuation Supervisor works overtime as a fire guard on the 20<sup>th</sup> floor. In this situation, is the FLS Building Evacuation Supervisor permitted to work as a Fire Guard? Explain your answer.
70. While John Peterson is waiting for an elevator in the elevator lobby on the 45<sup>th</sup> floor, a fire alarm activates and the elevators in the bank where John is standing recall. John cannot hall-call an elevator. The glass doors in the lobby, which block John from reaching the emergency stairwells, do not have to fail-safe lock release. True or false? Explain your answer.

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

71. Henry Miller is riding an express elevator that services floors 1, 50-80 in Bank "B". The elevator is passing the 35<sup>th</sup> floor when elevator recall is activated by a smoke detector in Bank "A" on the 12<sup>th</sup> floor elevator lobby. Why would/why won't the elevator Mr. Miller is riding recall to the street level? Explain your answer.
72. The temperature in a room exceeded the fixed temperature rating on a sprinkler head in an automatic wet system. However, the sprinkler head did not fuse. Why? Explain your answer.
73. Hotel fire drills are conducted quarterly by the Coordinator of Fire Safety. During each of the four quarters, the drills are conducted three times (one per shift) for a total of 12 fire drills per year. True or false? Explain your answer.
74. Upon Fire Department response to a fire alarm, the FLS Director must ensure that all the elevators in all the banks recall for Fire Department use of the elevators. If an elevator is on "independent" mode, that elevator will not recall in Phase I, but will in Phase II. Are these statements true or false? Explain your answer.
75. A contractor who is demolishing the 35<sup>th</sup> floor requests from the FLS Director that the alarm-sending devices on the floor be taken "off-line". What actions will a FLS Director take, who understands the true nature of the contractor's request, to ensure that a fire alarm is not activated during the demolition? Explain your answer.
76. While the system is "off-line" a fire alarm activates elevator recall. The building has two escalators that allow the tenants to travel from the elevators down to the Ground level, where they can exit onto the street. Based on the building design, can it be implied that the elevators recall to a "lowest terminal landing"? Yes, or no? Why? Explain your answers.
77. Fire Department personnel enter a building and proceed to the Fire Alarm Control Panel and ask for the FLS Director. Is the system "on-line" or "off-line"? Explain your answer.
78. The FLS Director called out sick for the day. The Deputy FLS Director is covering the shift and is the only person in the building with a Certificate of Fitness FLS Director F-89. While on lunch in the 30<sup>th</sup> floor cafeteria, a fire alarm is activated on the 60<sup>th</sup> floor. Having no portable communication system on their person (or anyone to tell him/her of the alarm), how will the Deputy FLS Director be notified of the fire alarm activation on the 60<sup>th</sup> floor? Did the Deputy FLS Director violate the Code by not being at the Fire Alarm Control Panel when the fire alarm activated? Explain your answers.
79. Steve Katz, the FLS Warden for Company K no longer wants the position and has asked the FLS Director that a more interesting position would be to become a member of the FLS Brigade. Mr. Katz resigns from Company K and joins the security staff in the same building that houses Company K. Can the FLS Director now assign Mr. Katz to the FLS Brigade? Explain your answer.
80. While ascending in passenger elevator #1 in Bank "A", Ellen notices that the "fireman's helmet" light comes on. Concurrently, while descending in passenger elevator #9 in Bank "B", Patricia notices that the same light comes on inside the elevator she is riding. Explain what has happened.
81. While preparing to test Elevator Recall, the FLS Director activates the elevators by alarming an area smoke detector in the electric closet. Will this procedure activate elevator recall? Name three methods of activating elevator recall? Explain your answers.
82. Upon reaching the fire floor via "attack" Stairwell "A", firefighters open the stairwell door to access the fire floor. They stretch the fire hose and fight the fire. Will they use the building-provided fire hoses? Explain your answer.
83. Joanne Garcia is ascending in elevator #1 to the 20<sup>th</sup> floor. The "fireman's helmet" light comes on, the elevator stops on the 18<sup>th</sup> floor, the elevator doors remain closed the entire time and the elevator remains on the 18<sup>th</sup> floor. What is Ms. Garcia experiencing—Elevator recall, an elevator entrapment or "independent" service? Explain your answer.



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84. Tony Montana approaches the Fire Alarm Control Panel in the Main Lobby and informs the FLS Director that there is a smoke condition and possible fire on the third floor of the building. What is the name of the switch located at the Fire Alarm Control Panel that the FLS Director must activate immediately? Why did the alarm-sending devices not activate a fire alarm from the third floor? Explain your answers.

85. The FLS Director arrives at the Fire Alarm Control Panel at 6:59a for the 7a-3p shift, reads the Alarm Log Book and finds an entry indicating that the system was taken "off-line" at 11p the previous night, determines that the Fire Alarm Control Panel is operational, does a successful Lamp Test and finds that there are no Trouble Signals present. Is the system "on-line" or "off-line"? Explain your answer.

86. In a building with a gravity tank, when the fire pump is activated, the domestic water fill pumps shut down. True or false? Explain your answer.

87. The FLS Director calls the central station and asks that the system be taken "off-line" beginning at 10a on July 4<sup>th</sup>, a national holiday. The central station operator informs the FLS Director that because it is a nationally recognized holiday, "off-line" requests are not being processed. The FLS Director demands that the system be taken "off-line". The operator hangs up the telephone. Who is correct, the FLS Director or the central station operator? Explain your answer.

88. The FLS Director calls the central station 10 times in one 24-hour period and is informed by the central station operator that 10 is the maximum number of calls that one building can make to the central station in a 24-hour period. The FLS Director disagrees. Who is correct? Explain your answer.

89. A request from an ironworks company to use a torch from 6p-9p (the time that it will take to complete the work) on the 8<sup>th</sup> floor has been processed and approved by the management company and the person responsible for authorizing hot work. The torch operator works for a licensed company and liability insurance coverage has been verified. A person holding a Certificate of Fitness Fire Guard is near the torch operator and fire extinguishers are visible and readily reachable by the Fire Guard. The fuel nearest to the torch operations work is at least 50 feet away. The Deputy FLS Director patrols the 8<sup>th</sup> floor at 7:30p looking to see if they are smoking and finds that they are **not** smoking cigarettes. The Deputy FLS Director immediately terminates the entire project. The torch operator and the Fire Guard are escorted out of the building. What did the Deputy FLS Director discover? Was the Deputy FLS Director authorized to terminate the project? Explain your answers.

90. Alex argues that the water in a gravity tank is only for domestic use, such as faucets, toilets and water fountains in the building. Jose claims that Alex is incorrect and that the water in the gravity tank is only for the fire suppression sprinkler/standpipe system. Maria argues that both Alex and Jose are wrong and that the gravity tank water is used for both domestic use and fire suppression. Who is correct and why? Explain your answers.

91. A fire alarm is activated and the FLS Director is not near the Fire Alarm Control Panel. What is the name of the tone that will activate throughout the building, with the exception of the fire floor, floor above the fire floor and floor below the fire floor, to notify the FLS Director that a fire alarm has been received at the Fire Alarm Control Panel? Was the fire alarm acknowledged upon receipt at the Fire Alarm Control Panel? If yes, by whom? Explain your answers.

92. In Building X, Joe enters the emergency stairwell on the 9<sup>th</sup> floor and is not able to get back into the office side because the stairwell door locked behind him from the stairwell side. Joe decides to walk down to the street level to smoke a cigarette. While walking down, he tries to open the stairwell doors on every floor and finds that the doors with electro-mechanical locks opened from the stairwell side on the 8<sup>th</sup> floor and the 4<sup>th</sup> floor. Concurrently the FLS Director is addressing a fire alarm activation at the Fire Alarm Control Panel. Joe did not hear the fire alarm siren. On which floor did the fire alarm activate? Does Building X have a fail-secure or fail-safe door release system? At what floor-intervals are re-entry doors set to release? Explain your answers.

93. The Staffing Charts on the 20<sup>th</sup> Floor indicate that the FLS Warden is Julie Jones, the Deputy FLS Warden is Diane Fuller, the FLS Male Searcher is Peter Malig and the Female FLS Searcher is Fanny Medina. Mr. Malig resigned two weeks

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

earlier. Indicate three possible reasons why the FLS Director did not remove Mr. Malig's name from the Staffing Chart. Explain your answers.

94. Upright sprinkler heads are used in buildings with drop-down ceiling tiles. True or false? Explain your answer.

95. Building H has cross-over elevator lobby smoke detectors. Upon activation of one elevator lobby smoke detector, the elevators servicing the fire alarm floor recalled. True or false? Explain your answer.

96. Bruce, a hotel guest, is deaf and his friend Alice requests that a portable strobe light be assigned to Bruce's room. The hotel staff fulfills the request. A guest who is blind requests a portable fire alarm siren. The request is met. What portable device would be provided to a hotel guest who is both deaf and blind? Explain your answer.

97. At 3a, a wealthy couple was ascending to their Penthouse Suite on the 81<sup>st</sup> floor of a posh hotel, where only one exclusive passenger elevator (#1) services the 81<sup>st</sup> floor. Concurrently, the person operating the service (freight) elevator complains to the FLS Director using the elevator's intercom system, that the freight elevator malfunctioned and that it would not ascend to any of the floors it services, from the Ground Floor to the 80<sup>th</sup> floor. A fire alarm activated at 2:58a while the system was "on-line". On what floor did the fire alarm activate? What happened with the freight elevator? Did passenger elevator #1 continue to operate? Explain your answers.

98. During an inspection of the Places of Public Assembly, the FDNY inspector asks the FLS Director for the floor plan for the Place of Public Assembly (Cafeteria on the 10<sup>th</sup> floor). The inspector also requests to be escorted to the cafeteria. The inspector finds that 3 tables and 12 chairs have been added to the cafeteria layout and are not reflected on the floor plan. The inspector will recommend to the Department of Environmental Protection not to renew the Place of Public Assembly Certificate of Operation. True or false? Explain your answer.

99. The gravity tank's fire reserve is controlled and measured by sensors inside the tank. A tank holds 10,000 gallons, of which 3,000 gallons are reserved for fire suppression. Upon activation of a sensor, the Fill Pump will re-fill the gravity tank at the 3,000 gallon-level because the fire reserve water level cannot be below 3,000 gallons; and another sensor will indicate when the tank has reached the 10,000-gallon level in order to prevent the tank from overflowing. True or false? Explain your answer.

100. When the firefighters connected to the Fire Department Connections with the red caps, they knew immediately that the building contained an automatic dry sprinkler system. True or false? Explain your answer.

101. A pendent sprinkler head activated on the 45<sup>th</sup> floor of a 50-story building. Twenty seconds later an area smoke detector activated inside the low-rise elevator machine room servicing Bank "A's" four elevators. The building has two elevator banks. Which device activated elevator recall for elevator #s 5-8? How many elevators are in Bank "A"? Explain your answers.

102. Upon picking up the telephone, the FLS Warden dialed the number to contact the building's FLS Director to report a smoke condition on the 10<sup>th</sup> Floor. What is the name of the telephone that the FLS Warden activated to report the smoke condition? Explain your answer.

103. Property X requires an FLS Director between 7a-7p, Monday to Sunday as indicated in the Comprehensive Fire Safety and Emergency Action Plan. What can be concluded from this statement about the number of people in the property between 7p-7a, Monday to Sunday? Is this property a hotel? Yes, or no? Explain your answers.

104. An auxiliary tone is heard by people in a 45-floor property, except for the people on three of those floors. What did the people on the three floors hear over the public announcement/speaker system that the people occupying the other 42 floors did not hear? Where was the FLS Director? Explain your answers.

105. Building W allows people to enter a section of the building where ID cards are not required and which the general public may visit, including the homeless population, from 8a-4p, Monday to Friday. A FLS Director is required to

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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

be in the building during this time. What is the name of this area of the building? Is an FLS Warden required to be assigned to this area? Yes, or no? Explain your answers.

106. A FLS Director who holds a Certificate of Fitness F-89 may work in a Group "B" building and Group "R-1" hotel. Is this statement true or false? Explain your answer.

107. In a fire suppression system, a Sprinkler Riser allows the vertical flow of water from a Gravity Tank to the floors below. The horizontal pipes are known as Branch Lines. What are the names of the devices on the Branch Lines that do not activate fire alarms? Explain your answer.

108. A fire safety program includes the assignment of "Buddies" to people who have disabilities that make it difficult, if not impossible for them to evacuate on their own using the emergency stairwells during a fire. The person with the disability works from 10a-6p. The Buddy works from 9a-5p. Should the person with the disability request a change in their work schedule? Why? If so, what schedule should the person request? Explain your answers.

109. The FLS Director activates the communication of a fire emergency to the central station, which in turn dispatches the Fire Department to the building. No one in the building, including the FLS Director, heard the fire alarm siren, the strobe lights did not activate, elevators did not recall, doors did not release, warden phones were not activated, fans did not shut down, smoke detectors did not detect smoke, dampers remained open, heat detectors did not detect heat, the pressurized stairwell fan did not come on, sprinklers did not activate and fire hoses were not used. What happened? Explain your answer.

110. The FLS Director is informed by a security officer that a fire alarm has been activated. The FLS Director acknowledges the fire alarm at the Fire Alarm Control Panel and eventually identifies the smoke detector that activated because it had a steady light. The FLS Director then makes an "all clear" announcement to the fire floor, the floor above the fire floor and the floor below the fire floor. The system was "off-line" at the time of the alarm activation. The Fire Alarm Control Panel was reset. What did the FLS Director do that was incorrect and put the building occupants' lives at risk? Explain your answer.

111. While working in a room with no windows and only one door; and which contains sensitive documents, an employee of Company G inadvertently gets locked inside the room. The cell phone has no reception. There are no hard-wired phones in the room or other means of communicating with the "outside world." It is Friday, August 20, 10p. The employee activates the fire suppression system inside the room to get the attention of the FLS Building Evacuation Supervisor, who is the only other person in the building. Firefighters open the room door and find the employee dead. What happened? Was the system "on-line" or "off-line"? Explain your answers.

112. The executive chef for a multi-million-dollar investment bank located on the 35<sup>th</sup> floor is using grease to cook the day's lunch for the bank's employees. A grease fire starts, and the chef gets a "K" Fire Extinguisher and suppresses the fire. How far did the chef have to walk to get the extinguisher? Explain your answer.

113. A property has a life safety emergency generator. John is employed by Company D and the company is not tied into the building's life safety emergency generator. Upon a blackout, will John find himself in complete darkness? Explain your answer.

114. The Ball Drip Valve is not allowing water to drip to the floor drain because the ball inside the valve has covered the opening on the valve. A supervisory signal is received at the Fire Alarm Control Panel. A pedestrian enters the property and informs the FLS Director that water is pouring out of the Fire Department Connection on the right side of the property. The Fire Department did not respond. What has happened? Is the system "on-line" or "off-line"? What criticism will the property manager have of the chief engineer? Explain your answers.

115. A construction crew is creating private offices on the 3<sup>rd</sup> floor. Gypsum boards are being used to create the separating walls. After the floor is completed and occupants move in, a fire occurs, and one employee is trapped in one

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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

of the private offices. Theoretically, how much protection, in hours, does the employee have before being at risk of injury or death? Explain your answer.

116. A duct smoke detector is activated on the 23<sup>rd</sup> floor of a 60-story building that has three elevator banks (A, B & C) that serve the floors equally and which have four elevators each. Another duct smoke detector is activated on 23<sup>rd</sup> floor. An area smoke detector is activated on the 24<sup>th</sup> floor. Two passenger elevator lobby smoke detectors are activated on the 25<sup>th</sup> floor. Other area smoke detectors activate in the telephone closet, the electric closet; and inside the elevator machine room nearest to the 23<sup>rd</sup> floor. A manual pull station is activated. The system is "off-line". What is happening? Did any elevators recall? If so, which bank(s) recalled and what are the numbers of those elevators that recalled? Explain your answers.

117. An airplane hangar has a fire suppression system where all the sprinkler heads are "open" and water is released in the entire property simultaneously. What is the name of this type of sprinkler system? Explain your answer.

118. A Fire Department inspector meets the FLS Director on February 4<sup>th</sup> and returns the next year on January 30<sup>th</sup>. The system is "on-line" during both inspections. A manual pull station is activated on a floor and a fire alarm reaches the Fire Alarm Control Panel during both inspections. The FLS Director acknowledges the alarms and makes the proper announcements. The local Fire Department does not respond to fire alarms. What is the name of this Fire Department inspection? Explain why the Fire Department did not respond to the fire alarm and why fail-safe door release did not function? Was the FLS Director issued a violation? Explain your answers.

119. An employee of Company S by the name of Zack depresses the hall-call button in the low-rise elevator bank at the beginning of the lunch hour: 12p. The button lights up. Two seconds later the button light goes dark. After a couple of minutes of waiting Zach walks down the stairs. Zack hears no fire alarms or announcements. What is happening with the elevators in the mid-rise and high-rise banks? Did the FLS Director make an announcement? Explain your answers.

120. On Monday, November 14 at 8a, Susan gets stuck while riding in Passenger Elevator #1. Susan is released from the elevator at 2p. The FLS Director worked overtime on Monday, November 14<sup>th</sup> from 6a-7a to exam Fireman's Service Elevator Recall Phase I and Phase II. Which elevator function did the FLS Director fail to test in Passenger Elevator #1? Explain your answer.

121. Thomas, a FLS Warden signs in at the beginning of the workday. The office manager knows that the FLS Warden is at work by looking at the employee sign-in sheet. The FLS Director looks at the same sign-in sheet to confirm that Thomas is present. True or false? Explain your answer.

122. The FDNY inspector is reviewing the Comprehensive Fire Safety and Emergency Action Plan and asks for a document that contains information about live loads, occupancy groups and description of use for each of the building's floors. The FLS Director gives the inspector the Letter of Acceptance. Is this the document that the inspector requested? If not, what is the name of the document that the FDNY Inspector was requesting? Explain your answers.

123. When a fire alarm activated, the Deputy FLS Warden for Company Q on the 35<sup>th</sup> floor reported to the FLS Director that all the floor occupants were standing by and ready to In-Building Relocate via stairwell X if necessary. The FLS Warden on the 34<sup>th</sup> floor also called the FLS Director to report floor activities and that in fact there was a smoke condition on the floor and they were evacuating via stairwell X, which was the farthest stairwell from the fire. The FLS Director immediately and simultaneously In-Building Relocates Floors 33, 34, 35, 36 and 37. What is the name of the Company on floor 34? What is the name of the Company on floor 36? What is the name of the Company on floor 37? Why did the FLS Director immediately evacuate those five floors simultaneously? Explain your answers.

124. A firehouse responds to a fire alarm in a hotel. Which truck is the Battalion Chief riding in? Explain your answer.

125. A fire is discovered in a building with only 230 occupants in the entire building. The Fire Department response is activated by Michael, an employee of the building. Michael holds a Certificate of Fitness Fire Guard and is trained by the

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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

FLS Director. None of the 230 occupants heard Michael make an announcement. What is Michael's function? Why did the building occupants not hear Michael make an announcement? Explain your answers.

126. The hotel has 400 rooms. The exclusive Presidential Suite is located on the seventh floor. The 10<sup>th</sup> floor is a mechanical floor. Buttons on the passenger panel inside an elevator that services the entire hotel are labeled "C1" and "C2" and there are 10 rooms per floor for use by guests. There are no guest rooms in the hotel lobby. How many floors are there in this hotel? How many floors do not contain Guest Rooms? How many fire drills are conducted per year at this hotel? Explain your answers.

127. Jeff holds a Certificate of Fitness FLS Director F-89. Peter holds a Certificate of Fitness Fire Guard and Jasmine holds a Certificate of Fitness Coordinator of Fire Safety F-80. Who is working at a construction site? Explain your answer.

128. The FLS Director, who is posted at the Fire Alarm Control Panel, receives a report of a smoke condition via portable radio ("walkie-talkie") from Joe, who holds a Certificate of Fitness Fire Guard and is a full time, Deputy FLS Director. It is 3a on a Saturday and Joe is carrying a bullhorn. If this building is following the Code requirements, how many people are inside this Group "B" property? What is Joe's assignment while patrolling floors 10 to 13? Is Joe being paid at time-and-a-half? Yesterday, Joe told his friend Stephanie that he holds an F-89. Is Joe telling Stephanie the truth? Explain your answers.

129. A fire alarm is activated on the 15<sup>th</sup> floor and releases the fail-safe re-entry doors in the property. The FLS Director In-Building Relocates the fire floor, the floor above the fire floor and the floor below the fire floor; and informs the occupants to evacuate to a reentry floor using Stairwell "A". The 14<sup>th</sup> floor is a reentry floor, as is the 6<sup>th</sup> floor; followed by the 2<sup>nd</sup> floor. To what floor did the FLS Director instruct the evacuees to In-Building Relocate to? Which reentry floor is nearest to the street level in Stairwell "B"? Explain your answers.

130. During elevator recall of Bank "C", the only person riding Passenger Elevator #13 was Jack. Jack depresses the "emergency stop button" and informs the FLS Director of what is happening with the elevator. The elevator does not stop and reaches the lowest terminal landing. The "emergency stop" button worked during Phase II. Did the "emergency stop" button malfunction when Jack depressed it? Did the "Alarm" button inside the elevator malfunction? Explain your answers.

131. "Tread and Riser." What do these terms represent? Explain your answer.

132. A glass piece breaks. Water flows. All automatic devices in the Fire Alarm System are disabled. Will the FLS Director respond to the Fire Alarm Control Panel in response to a fire alarm activation? If so, what type of alarm-sending device activated the fire alarm? Explain your answers.

133. A large hotel has 500 guest rooms numbered 1-500; 20 elevators numbered 1-20 that respond to a lowest terminal landing; 10 stairwells labeled 1-10; 4 sub-Grade floors identified as C1, C2, C3 and C4; 45 floors, 2 escalators and 4 elevator banks identified as A, B, C and D. The FLS Director responds to a fire alarm at the Fire Alarm Control Panel. A fire is reported by a guest and 6 people die. Where in the hotel are the two escalators located? Is this hotel in violation of the Code? Explain your answers.

134. "Light scatters/Atoms slow down." Describe these two fire-alarm-sending devices? If the fire alarm system is "off-line", will they activate? Explain your answers.

135. A manual pull station is activated from the 55<sup>th</sup> floor of a hotel immediately after a Tamper Switch activated on the 53<sup>rd</sup> floor. The system is "off-line". On which floor(s) did the guests hear the fire alarm siren? Explain your answer.

136. Elevator Bank "A" services floors 1-12. Bank "C" services floors 1, 6, 25-40. If a Water flow switch activates on the sixth floor, which bank(s) will recall? Which bank services floors 1, 13-24? Which bank(s) has a blind shaft? Explain your answers.

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

137. Firefighters arrive at the building in response to a fire. They walk through the four lobby doors without having to touch the doors. Could this building have revolving doors? Yes, or no? If yes, what did the FLS Director assign a member of the FLS Brigade to do? Explain your answers.

138. During a fire drill on the 45<sup>th</sup> floor, a Deputy FLS Director instructs the participants to ensure that stairwell doors close behind them if they evacuate the floor. Is this fire drill taking place in a Group "B" or "R-1" property? Explain your answer.

139. Where in a hotel or commercial high-rise building will the following signs appear: "In case of fire do not use elevators unless otherwise instructed"? Roy says that the signs are found in elevator lobbies throughout the hotel. Jerome disagrees. Who is correct? If Jerome is correct, then where are these signs posted? Explain your answers.

140. There is one elevator bank. The following numbers are black on a white background and are posted on the stairwell side of the doors: 20-19-18-17-16-15-14-12-11-10-9-8-7-6-5-4-3-2-G. 16 and 11 are reentry floors; followed by 7. The FLS Building Evacuation Supervisor makes an announcement on the fifth floor in response to a fire alarm. Concurrently, a visitor enters Passenger Elevator #1 and ascends to the building's highest floor: 20. Is this building's reentry floor system in violation of the Code? On which floor could the visitor not get off using Passenger Elevator #1? Which type of devices could not have activated the fire alarm? Explain your answers.

141. While patrolling the property, a FLS Director enters a room containing the Fill Pump. The pump is active. Two hours later, the FLS Director re-visits the same room and finds that the Fill Pump has shut down. What is the name of this room? What was happening with the pump during the FLS Director's first visit? Why did the FLS Director find the pump shut down on the second visit? Explain your answers.

142. The emergency egress consists of the "Exit Access," "Exit" and "Exit Discharge." Where is a person during an emergency evacuation if the person is standing in the "Exit"? Explain your answer.

143. One fire alarm activates and it is determined that an In-Building Relocation is necessary. The FLS Director immediately and simultaneously in-building relocates five consecutive floors. This is a multi-tenant high-rise commercial building. Why did the FLS Director in-building relocate five floors instead of just three? How many companies occupy the five floors that were evacuated? Explain your answers.

144. A Fire Department Officer asks the FLS Director for the six 2642 keys to recall the elevators. The Officer inserts a key in the key switch at the Fire Alarm Control Panel. A firefighter inserts a key in the key switch inside Passenger Elevator #1. What is the key number that the Officer inserts into the key switch at the Fire Alarm Control Panel? What is the Officer going to direct the FLS Director to do next? Explain your answers.

145. There is a school for the deaf on the 20th floor of a Group "B" property. There are 50 students and 10 staff members. How will the failure of the strobe lights affect the 50 students and 10 staff members? Explain your answers.

146. The FLS Director disables the following devices: Smoke Detector # 347829; Heat Detector # 987563; and Water Flow Switch # 967533. What type of fire alarm system is installed in the property? Explain your answer.

147. What four words followed the statement: "Attention, attention please. This is the \_\_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_\_" over the public announcement system immediately after a fire alarm activation on a Friday at 8p in a property with a height of 60 feet and where people do not stay for more than 6 months. There were 89 people above the first floor of the property who heard the announcement while attending an in-house "Feed the Hungry" seminar, but who did not follow the directives to evacuate. When the sole survivor was questioned as to what was said over the public address system, the sole survivor stated, "Coordinator of Fire Safety." Did the sole survivor hear correctly? Where did this tragic fire occur? Explain your answers.

148. [Building specifications: 20 stories; two elevator banks, each bank services 10 floors]. Upon activation of an automatic fire alarm at 3a on the fourth floor, the FLS Building Evacuation Supervisor assumes that the fire alarm is due

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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

to airborne particles created by work being done by two carpenters. They are working in an area away from the building's elevators. The elevators in the low-rise bank recall and the FLS Building Evacuation Supervisor is not expecting the Fire Department to respond. The FLS Building Evacuation Supervisor resets the Fire Alarm Control Panel. Seconds later a manual pull station is activated on the same floor. The FLS Building Evacuation Supervisor again assumes that there is nothing wrong and resets the Fire Alarm Control Panel. Which alarm-sending device activated the first fire alarm? Is there a fire in the building? State two reasons why the FLS Building Evacuation Supervisor was not properly trained by the FLS Director. Explain your answers.

149. The FLS Director receives a fire alarm at the Fire Alarm Control Panel, but the elevators do not recall. A member of the FLS Brigade immediately reports to the 18th floor and soon informs the FLS Director that there are no obvious signs of fire/smoke in the area where the device with the steady light activated. On which floor did the fire alarm activate? Which type of device triggered the fire alarm? Explain your answers.

150. Madelene is riding Passenger Elevator #1 while talking on her cell phone. The FLS Director does not know that Madelene is riding the elevator. A fire alarm activates and the Fire Alarm Control Panel is reset after the fire alarm is deemed unwarranted and while the system was "off-line". The Fire Department responds to the building. The FLS Director asks the Fire Department Officer why they responded to the building. What will the Fire Department Officer tell the FLS Director is happening in the building? What communication system has failed in the building? Explain your answers.

151. 2½ inch hose. Who is authorized to use it in NYC? Building occupants, firefighters, or both? Explain your answer.

152. An alarm sending device with two moving parts is red in color. Is the device an automatic or manual device? Is the device in a Group "B" property? How many actions are necessary for the device to send the fire alarm signal? Explain your answers.

153. The FLS Building Evacuation Supervisor is on duty. The 4<sup>th</sup> floor is under renovation and because the fire alarm system is not operating on that floor, the Fire Guard is the second person in the building. The Fire Guard does not have a cell phone. The central station dispatches the Fire Department to the building. Who activated the Fire Department? How? Explain your answer.

154. On the third year of a property's operating existence, the FLS Director becomes complacent and decides to reduce the number of annual fire drills to two since the occupants are very familiar with what to do in a fire emergency in the property. When the Fire Department representative arrives to conduct an inspection, the inspector issues the FLS Director a violation for reducing the number of yearly fire drills. The FLS Director argues that two annual fire drills are sufficient. The inspector disagrees. Who is correct? Why? What type of property is this? Explain your answers.

155. Laundered. Where is this item most likely to be found? In a museum, department store or concert hall? What is the name of the item? Does it need to be re-flame-proofed with a spray-on fire retardant? Explain your answers.

156. Fire Department Connections with aluminum-colored caps indicate that the system has water. True or false? Is the system automatic wet or non-automatic? What do the colors red, green and yellow on the visible pipe of a Fire Department Connection (not the caps) represent? Explain your answers.

157. A hotel has yellow-colored caps on the Fire Department Connection that service the floors with Guest Rooms. A second Fire Department Connection with red-colored caps services the hotel's sub-Grade levels. A third Fire Department Connection that feeds the sub-Grade levels has yellow-colored caps. If there is a fire on Floor C3, which of the Fire Department Connections will the firefighters activate to feed water to the sprinkler system? Explain your answer.

158. 90 minutes. What device in the emergency means of egress is being referred to? Is the tenant paying a "tied-in" fee? Explain your answers.

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

159. The means of egress are untenable and the three occupants have to decide which would be the ideal action to protect themselves from the fire and smoke. Robert selects to seek protection in a room with an opaque door, but no window. Steven selects the room with an opaque door and a large window overlooking another property. Colin selects to penetrate the smoke condition and attempt to reach the emergency stairwells. Who made the best decision? Why? Explain your answers.

160. Two pressurized stairwells activated. If there is a fire on the 18<sup>th</sup> floor and one on the 10<sup>th</sup> floor of a 20-story building, on which floors will the smoke spread to the stairwells? Explain your answer.

161. A Booster Pump would activate in a Group "B" property that has 65 floors, a Gravity Tank and an automatic wet Standpipe System; and when a Water Flow Switch activates on floor 63. True or false? If true, name the lines that would be pressurized by the Booster Pump? If false, why? Explain your answer.

162. The engineer manually activates a fire alarm from the 23<sup>rd</sup> floor. The device generates a fire alarm siren, strobe lights flash, the FIRE sign flashes, elevators recall and the central station receives the fire alarm. The Fire Department responds. What device was activated by the engineer? Why? What did the FLS Director fail to do? Explain your answers.

163. A Water Flow Switch activates, the speaker channels automatically open and the FLS Building Evacuation Supervisor makes an announcement to the fire floor, the floor above the first floor and the floor below the first floor. On which floor did the FLS Building Evacuation Supervisor determine that the fire alarm activated? To which floor did the building's two elevators recall? Explain your answers.

164. John Smith, an employee of Company P self-evacuates from the 64<sup>th</sup> floor on his first day at work. John reaches the final door in the emergency means of egress. When John pushes the panic bar on the door, it does not open. John pushes the bar on the door 15 seconds later and the door opens. Is the push bar on the door defective? In which part of the emergency means of egress is John at when he walks out the stairwell door and is standing on the sidewalk talking to the building's security officer? Explain your answers.

165. Jennifer, a member of the FLS Brigade, responds to a fire alarm using a passenger elevator. The elevator doors close by simply pressing and releasing the "Door Close" button. Jennifer begins to ascend and then presses the "Call Cancel" button. Is Jennifer riding an elevator in Phase II, Phase I or in normal mode? Explain your answer.

166. A tenant by the name of Frank suffers a laceration to a finger during a fire emergency evacuation. An ambulance crew has been dispatched to wait for people who are evacuating in case they need medical assistance. Frank approaches the Emergency Medical Technicians and they treat him inside the ambulance. Frank is told by one of the EMTs, "You are ambulatory." Was Frank taken to the hospital? Explain your answer.

167. Ansul. Is this fire suppression system commonly found in hotels? Where? Why is this system used? Explain your answers.

168. Open door. Close door. Air. Open door. Close door. By what means is Peter evacuating the 30<sup>th</sup> floor? Explain your answer.

169. There was an inadvertent activation of a fire suppression system by a contractual company mechanic. The porters report to the location to clean up the affected area. When the porters reach the area, they find nothing to clean up. The porters ask the mechanic and the engineer if they used a wet-vac and they both respond, "No." What did the fire suppression system contain? Explain your answer.

170. Mechanical Equipment Acceptance Number. In what part of a fire alarm system will this number appear? Why is it necessary? Explain your answers.



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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

171. In a 400-Guest Room, 55-floor hotel, the Guest Rooms do not have drop-down ceilings. Bradley, a hotel guest, lies down on the Guest Room bed and looks up at the ceiling. Bradley sees neither horizontal branch lines nor sprinkler heads. Does the room have a plenum? Yes, or no? Does the room have sprinkler heads? Yes or no? If yes, what is the name of the sprinkler heads and where are they located? Explain your answers.

172. The central station receives a signal from the Fire Alarm Control Panel when the FLS Building Evacuation Supervisor is on duty and the system is "off-line". The signal is also received when the system is "on-line". The Fire Department does not respond to this signal when the system is "off-line" or when "on-line". Name the signal? Why will the Fire Department not respond? Explain your answers.

173. A fire alarm is activated. The FLS Director presses the Alarm Silence switch. Did the central station receive the fire alarm signal? Explain your answer.

174. Vincent is an avid smoker who "sneaks" a cigarette in a secluded area near a Water Flow Switch on Floor 29. Concurrently, Lynn "sneaks" a cigarette inside the telephone closet. The system is "on-line" and the Fire Department is activated by the central station. Vincent hears the FLS Director's announcement. On what floor did the fire alarm activate? Was this alarm activation an unwarranted or an unnecessary alarm? Explain your answers.

175. Elevator recall activates in Bank "A", which services floors 1-16. A duct smoke detector is activated on the 16<sup>th</sup> Floor. Passenger Elevator #6 is ascending and stops on Floor 16, where the doors remain closed, and then descends to the Ground Level where the doors open automatically. On what floor did the fire alarm activate? Explain your answer.

176. The building has 200 "glass" manual pull stations, 70 Warden phones, 600 smoke detectors and 2,000 sprinkler heads. How many spare sprinkler heads should the building have in stock? How many spare glass pieces should the building have in stock? Explain your answers.

177. Tim is sitting and eating. Suddenly every sprinkler head in the entire Group "B" high-rise building activates simultaneously, but Tim does not get wet. The Fire Department responds to the building. Where is a FLS Director likely to witness such a phenomenon happen? On what floor was Tim seated? Explain your answers.

178. A sprinkler system activates when two sprinkler heads of the Soldered Link type activate. The engineer determines that the fire is under control and informs the FLS Director that the water control valves will be shut off. The FLS Director informs the engineer not to shut off the water control valves. The system is "on-line". Who will make the final determination as to when the system's water control valves should be shut off? Explain your answer.

179. White, blue, red, green, orange. Are these the colors that would be found on Fire Department Connections? Yes, or no? If not, name the devices on which these colors would be found? What is the significance of the colors? Explain your answers.

180. A firefighter opens the manual Hose Valve on a Standpipe System. The firefighter then extends the Fire Hose less than 100 feet allowing several folds to remain on the quick-release rack. The Water Flow Switch activates and the fire alarm siren is heard throughout the fire floor, the floor above the fire floor and the floor below the fire floor. Which device activated the Water Flow Switch? Explain your answer.

181. A key is inserted into the key switch. The toggle switch is lowered. What device in the fire alarm system has been reset? Explain your answer.

182. A vent is located two feet from a fire alarm sending device. Why is the proximity of the vent a serious concern for the FLS Director when the system is "off-line"? What is the device? Explain your answers.

183. When the water temperature in a Gravity Tanks goes below 40 degrees Fahrenheit, a Supervisory signal will activate at the Fire Alarm Control Panel and the Fire Department will respond if the system is "on-line". True or false? Explain your answer.

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

184. Every month, on every shift, 36 fire drills annually. Is this a fire drill requirement for office buildings or hotels? Yes, or no? Explain your answers.

185. A fire alarm activates and an evacuation is ordered by the FLS Director. The system is "on-line". As tenants are discharging into the main lobby of the building from Stairwell "C", the FLS Director is informed that someone is having a heart attack immediately outside the revolving doors. The FLS Director is certified in CPR/AED. What should the FLS Director do? Explain your answer.

186. James, an employee of Company E observes smoke originating from a copier. One silver canister fire extinguisher is nearby, as is a red canister fire extinguisher with a label indicating the letters "A" and "B." Which of the two fire extinguishers should James use to extinguish the fire after unplugging the copier? Explain your answer.

187. A—B—C—D—K. What in a building is being referred to by these letters: Elevator banks? Stairwells? Standpipes? Other system? Explain your answer.

188. During a fire situation, Kent, an employee of Company L becomes entrapped in an office with a glass window. Kent closes the door to the office but fears that it is only a matter of time before the fire penetrates the office. Kent decides to break the office's glass window that leads to a Setback Roof. Did Kent make the correct decision? Did he put the lives of the pedestrians and firefighters on the street at risk by breaking the glass window? Explain your answer.

189. OS&Y. Describe these letters. Which part must be visible at all times: The O, S or the Y? Explain your answer.

190. The chief engineer feels that it is necessary to change out the sprinkler heads in the building because they have been in existence for over 50 years. There are 1,000 sprinkler heads in the building of which an inspection found that only one was loaded. The system is automatic wet. How many sprinkler heads should be changed and replaced with new sprinkler heads? Explain your answer.

191. The off-site assembly area in a fire emergency is required to be as far away as the height of the building (in feet), at a minimum. True or false? What is an off-site assembly area? Explain your answers.

192. "No Reentry. Nearest Reentry on the 6<sup>th</sup> and 10<sup>th</sup> Floor". On which floor(s) is this sign posted? Is this sign posted on the occupant side or the stairwell side of a stairwell door? Explain your answers.

193. A fire fully involves a floor in an office building. A post-fire investigation finds that the sprinkler heads were mixed. How was the fire able to spread rapidly even though the floor was fully sprinklered? Explain your answer.

194. The standpipe hose outlets are in the stairwells. What organization decided that hose outlets should be in the protected stairwell even though the stairwell door would have to remain open when the fire hoses are extended, thereby subjecting the stairwell to smoke contamination? Explain your answer.

195. What is the name of the system that the FLS Building Evacuation Supervisor controls and that is used to transmit signals indicating a fire condition? Explain your answer.

196. The beam is broken. Name the device that would activate a fire alarm when the beam is broken? Where are these devices commonly installed and why? Explain your answers.

197. Name one instance when the FLS Building Evacuation Supervisor may override the FLS Director's decision to remain "on-line"? Will the FLS Building Evacuation Supervisor be terminated for not following the directive given by the FLS Director? Explain your answers.

198. "We did not receive the transmitter signal." Who is likely to be making this statement? What prompted the individual to make the statement? To whom was the statement made? Explain your answers.

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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

199. The candidate for the Certificate of Fitness FLS Director F-89 holds an F-80 for 366 5<sup>th</sup> Avenue on Staten Island and an F-80 for 200 Parliament Avenue on Long Island. At which of the two properties will the candidate take the F-89 Comprehensive On-Site Exam? Is 366 5<sup>th</sup> Avenue a high-rise building? Explain your answer.

200. "Stop, drop and roll." Explain this concept.

201. Management in a Group "B" property scheduled ABC Exterminators to visit the property today from 5p to 10p. The FLS Director notified the FDNY Field Public Communications Unit to report the expected presence of the exterminators two days earlier. What operation are the exterminators executing? Why did the FLS Director shut off all sources of ignition in the area? Explain your answers.

202. Notice of Violation Code 10-35 was issued to Building "A" by the FDNY. Which peripheral alarm-sending device was not the cause of the fire alarm activation? Why not? Explain your answers.

203. Which city government agency approved the material used for the photo luminescent markings located in the Means of Egress in a Group "A" property? Explain your answer.

204. Every two years the central station company requests a document from FDNY to continue to provide services to their clients. What is the name of the document issued by the FDNY to the central station company? Explain your answer.

205. The FLS Director manually activated the fire alarm on the floor below the floor where the fire alarm automatically activated due to a smoke detector. Did the FLS Director make a mistake by activating the fire alarm on the floor below instead of the floor above the floor of alarm activation? Explain your answer.

206. A covered mall is comprised of 51,000 sf. and Peter, the property manager, states that they do not need a Fire Safety and Evacuation Plan because they do not require to have on staff a FLS Director Certificate of Fitness holder. John disagrees. Who is correct? Why? Explain your answers.

207. Jake, a FLS Director in Building "A", gets a part-time job in Building "B" and fails the practical on-site exam in Building "B" twice. He is terminated from Building "A". Why was Jake terminated from Building "A"? Was the termination justified? Explain your answers.

208. Paul is visiting the FDNY at 9 Metrotech Center to test to prove to the FDNY that he is a competent FLS Director. What exam is Paul taking and why? Explain your answers.

209. A sprinkler head fuses = No water. A smoke detector activates = Water. What is the name of this sub-system? Explain your answer.

210. Red tag/white disc. Where is the tag located and where is the disc located? What is the condition of the fire suppression system? Explain your answers.

211. The hand wheels on the valves are colored green in Building "A" and red in Building "B". What type of fire suppression system is found in Building "A"? What is the color of the caps on the Fire Department Connections in Building "B"? Explain your answers.

212. C of F S-12 and C of F S-13. Explain your answer.

213. While conducting a visual inspection of the fire suppression system, the certificate of fitness holder informs the Master Fire Suppression Piping Contractor (MFSPC) who also holds an S-12 to immediately change the loaded sprinkler head. What is a "loaded" sprinkler head? Is the MFSPC authorized to change the sprinkler head? Explain your answers.

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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

214. The Certificate of Fitness holder Fire Guard checked the area at 4:30 p.m. What project concluded at 4:00 p.m.? Explain your answer.

215. Building "X" has elevator lobby emergency signs that read: "In fire emergency, do not use elevator. Use exit stairs." In Building "Y" the signs read: "In case of fire use stairs unless otherwise instructed." Which of the two buildings was issued a Certificate of Occupancy in 1974? Explain your answer.

216. A practical FLS Director on-site exam is ended prematurely by the property manager because of the alarm activations. The FDNY Examiner informs Sam, the candidate, that he will be issued a failing grade on his first attempt at the on-site exam because the exam ended prematurely. Sam disagrees with the Examiner. Who is correct? Why? Explain your answers.

217. Within 10 seconds. Explain your answer.

218. A fire on the 3rd Floor of a 50-story hotel. What people-movement response will the FLS Director activate: Partial Evacuation or Total Evacuation? Explain your answer.

219. "In a fire emergency on the 30th Floor of a multi-tenant Group "B" property, the FLS Director will In-Building Relocate the occupants to a minimum of three floors below the fire floor to the next re-entry floor." In a hotel, the above quoted statement would end after which word? Why? Explain your answers.

220. Jose, a Certificate of Fitness holder Fire Guard Citywide and Tom, a Certificate of Fitness holder Supervisor of Fire Alarm Systems S-95 volunteer to be assigned the title of Impairment Coordinator in a motel. How many rooms are there in the motel? Who should be assigned the title of Impairment Coordinator, Jose or Tom? Why? Explain your answers.

221. George, a Building Engineer who is a Certificate of Fitness holder S-12 removed a 3-foot section of pipe from a Branch Line on the 5th Floor due to reconfigured office walls. George is reprimanded by the property manager for conducting this work. Did George do something wrong? Should he have been reprimanded? Explain your answers.

222. One year ago, Debbie, the FLSD, conducted training for the kitchen staff. Today she is training them again. Susan, the FLS Building Evacuation Supervisor (FLS BES) informs Debbie that she should have trained the kitchen staff six months ago. Is Susan correct? What fire suppression system did Debbie explain to the kitchen staff? Is there a Front Desk Agent in this property? Explain your answers.

223. Three hours into her shift at 11:00 a.m., the FLSD in a Group "B" property takes ill and is hospitalized. One of the FLS Building Evacuation Supervisors who happens to be doing security guard work, takes over. An FDNY Inspector visits the property at 3:30 p.m. and issues the property manager a Notice of Violation. Why was the violation issued? Until what time did the FLS BES work? Explain your answers.

224. All the smoke and heat detectors were disabled when the elevators recalled in response to the activation of an automatic fire alarm. The strobe lights did not activate on the floors in alarm. What device activated the fire alarm? Why did the strobe lights not activate? Explain your answers.

225. A siren is activated in the entire building due to an emergency. A voice is heard over the public announcement system. There is no controlled movement of people. The strobe lights do not activate. What Plan is being executed? Where is the emergency happening? Who activated the Plan? Explain your answers.

226. The temperature rises at a rapid rate in an enclosed elevator lobby on the highest floor in the building (25th Floor) and there are two elevator banks. Joseph opens a valve and attempts to extinguish the fire. There is no sprinkler system. The Supervisor of Fire Alarm Systems receives audio/visual signals at the Fire Alarm Control Panel indicating a fire alarm from the 25th Floor. What alarm-sending device activated the fire alarm? Why did the elevators serving the 4th Floor did not recall? What type of fire suppression system is in the building? Explain your answers.

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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

227. Thirty days ago, the Refrigeration System Operating Engineer (Q-01) conducted a test of the building's Refrigerating System. Among other items, he tested the Flaring and Treatment system. How many pounds of Freon does the Refrigerating System hold? Explain your answer.

228. The General Manager of the Garden Hotel has been asked by an FDNY Inspector for a BIC. The GM cannot produce one. What document has not been approved for the Garden Hotel? Will the GM be issued a violation? How many days does the GM have to submit the document? Explain your answers.

229. In 2011, a Group "R-1" property was required to have an approved Plan. What was the name of the Plan: "Fire Safety and Emergency Action Plan", "Fire Safety and Evacuation Plan", "Residential Fire Safety Guides and Notices" or "Emergency Action Plan"? Explain your answer.

230. A Master Fire Suppression Piping Contractor (MFSPC) is required to service a commercial cooking system every six months. Who is required to clean the system's smoke exhaust system and at what frequency? Explain your answer.

231. The activation of the fire alarm was not acknowledged by the FLSD at the Fire Alarm Control Panel (FACP) when there were 400 people in the entire Group "B" property. Who answered the telephone call from the Central Station operator? Why did the Central Station Operator call the building? Explain your answers.

232. Manual Fire Alarm Pull Stations of the single action type were constantly activated by foreign hotel guests who did not know their purpose. David, the General Manager, invested in plastic covers to discourage unnecessary activation of manual pull stations. He informed the staff that they now have double-action manual pull stations. Maria, a member of the FLS Brigade, disagrees. What type of manual pull stations is Maria claiming to have in the hotel? Explain your answer.

233. N.O.V. What is the name of the city agency the FLS Director will visit for a hearing? Peter says the FDNY, Jamie says the Office of Administrative Trials and Hearings (OATH), and Martha says OSHA. Who is correct? Explain your answer.

234. John did not have to walk more than 30 feet from his work area to reach a fire extinguisher to fight a fire. In what area of the property does John work? What class of fire did John attempt to extinguish? What activity caused the fire? Explain your answers.

235. There is no one on the floor for one hour prior to the commencement of a special project in a Group "B" property. What is the name of the project? Did the FLSD disable the manual pull stations on the floor? Explain your answers.

236. A strobe light is tested by a Certificate of Fitness Holder. What is the title of the individual who conducted the test? Why did the individual change the strobe lights, but did not contact the central station after concluding the test? Explain your answers.

237. A fire alarm nor a supervisory signal has activated in a Group "B" property's fire alarm system. The Central Station operator calls the property and speaks with the FLS Building Evacuation Supervisor. What is the message that was given to the FLS BES by the Central Station operator? How many people were in the property at the time of the call? Explain your answers.

238. A team of firefighters enters a high-rise hotel in response to a fire alarm activation. They immediately respond to and reach the fire floor and successfully rescue the two trapped tourists. What is the name of the truck they used to rescue the two people? Why? Explain your answers.

239. A fire alarm was activated in a Group "B" property and the FLS Director was required to call the fire alarm maintenance company to get the system fully operational again by replacing the device that activated the alarm. What

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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

generic peripheral alarm-sending device activated? What is the name of this particular device? What did it detect? Explain your answers.

240. The property manager, who is not a certificate of fitness holder and who has an office on the 5th Floor, was immediately aware of a situation at the Fire Alarm Control Panel affecting the 37th Floor. How did the property manager know of the situation when no one communicated anything to her in her office? Explain your answer.

241. The property manager informed the facilities director that he has until July 1, 2013, to remove the fire suppression system on the 24th Floor. What fire suppression chemical is being used in this system? Do people work in this area on a regular basis? Explain your answers.

242. In a commercial high-rise building, the manual pull stations have a one-inch-wide, diagonal white stripe from the top right to the bottom left. Stephen, the FLS Director informed Miguel, the technician from the fire alarm service company, that the fire alarm system is connected to a central station. Miguel informs Stephen that the manual pull stations have a problem and all of them must be corrected. Stephen disagrees. Who is correct? What is the problem, if any? Explain your answers.

243. Audio/visual signals are received at a Group "B" property's Fire Alarm Control Panel. The central station calls the property. The Fire Department does not respond to the property. There is no Certificate of Fitness holder FLSD working at the time the signal was received. What was the signal? Why did the FDNY not respond to the property? Who received the signal? Explain your answers.

244. The Standpipe System in a commercial high-rise on 58<sup>th</sup> Street has multiple fire hoses stored in a cabinet in the Main Lobby. Are there fire hoses connected to the Standpipe Hose outlets located in the stairwell? Why is this system not a Class II system? Explain your answers.

245. The FLS Director notified the FDNY's Field Public Communications Unit and the occupants on the 10th Floor. What scheduled project did the FLSD inform these groups about? Why was this project necessary? Explain your answers.

246. A fire alarm was activated in a place of assembly located inside a hotel. At the time of the alarm activation there were 400 guests in the hotel. At least how many guests could have been in the area where the alarm was activated? What document was issued to hotel ownership after a Fire Department inspection? What city agency issued the document? Explain your answers.

247. K. Where is the potential fire? How far away is the fire? Explain your answers.

248. There are no Trouble Signals on the Fire Alarm Control Panel and the FLSD did not disable any peripheral alarm-sending devices. There is smoke in an area on the 30th Floor. The area smoke detector does not activate and one person dies from smoke inhalation. Is this property a hotel/motel or a commercial high-rise building? What fire safety/life safety procedure did management fail to do? Explain your answers.

249. Today EAP drills are being conducted. What document did the FDNY approve six months ago via the issuance of a Letter of Acceptance? Explain your answer.

250. Of the following, which does the Certificate of Fitness F-89 supersede: Supervision of Fire Alarm Systems S-95, Construction Site Fire Safety Manager S-56, or Sprinkler Citywide S-12? Explain your answer.

251. Patrols are being performed 24/7 at least once an hour by Fire Guards, however there is no impairment with the property's fire alarm system, standpipe or sprinkler system. What occupancy type is this property? Which Certificate of Fitness does the Fire Guard possess: F-01 or F-02? Explain your answers.

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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

252. "Door Open", release; "Door Open", release; "Door Open" and keep depressed until the door fully cycles open. What function of elevator recall is being done? Is this function being done in Phase I, Phase II or Phase III? Explain your answers.

253. The building has a main tank containing diesel fuel for the emergency generator. Where is the tank located? What are two characteristics of the room containing the tank? Explain your answers.

254. Black and white striped photo luminescent markings are found in an emergency stairwell enclosure. It's 2012. What type of building is this? Is this stairwell the attack stairwell in a property with one standpipe riser? Explain your answers.

255. All the stairwell doors in all the stairwells on every floor have fail-safe lock release. Is this property in violation of the fire code? Is this property a hotel or an office building? Explain your answers.

256. A switch is pressed and the doors are pulled every year. Which test is being conducted under the supervision of the Fire and Life Safety Director? Who pulled the doors? Explain your answers.

257. During an emergency evacuation all the low-rise building occupants reached the Ground floor of the building. They then headed to the off-site assembly area; however they were all wet before they left the Ground floor. It was a rainy day. What evacuation system was used by the occupants to descend to the Ground Floor? Did this evacuation happen in a hotel or office building? Did the occupants use the "attack" stairwell to evacuate? Explain your answers.

258. Tony is an employee of a tenant company and works full time for the Company. He is a member of the marketing team that is currently spearheading a contract with a Chinese corporation. David is the accountant at Thunderfox Marketing Group, LLC. Which title in the Fire and Life Safety Program could be assigned to Tony? To David? Explain your answers.

259. The FLSD receives a signal at the Fire Alarm Control Panel indicating that the fire suppression system has been compromised. What is the name of the signal? Which device triggered the signal? Why did the Fire Alarm not activate on the fire floor, floor above and floor below? Explain your answers.

260. Joann, the FLSD works the 4p-12a shift at 850 Quad Avenue across the Hudson River. Her relief, the FLS Building Evacuation Supervisor calls out sick for the 12a-8a shift. Joann decides to cover the FLS BES shift from 12a-8a. What is the problem? Explain your answer.

261. During the FLSD on-site test, Robin, the candidate, pressed a red button during Phase II of Fireman's Service Elevator Recall when the FDNY Examiner told her to cancel the selected floor. The elevator stopped and the elevator doors remained closed. Two weeks later, Robin received a failing grade in the mail. Why did Robin fail the on-site exam? What alarm was activated? Explain your answers.

262. A fire consumed all available fuel on the floor as it free-burned. Days later the fire self-extinguished. The fire destroyed 12 floors in this high-rise building. Name three reasons why the fire spread and it took days for the fire to extinguish. Explain your answers.

263. The FLSD at 590 Broadway in Manhattan attended the Coordinator of Fire Safety F-80 Course and passed the CBT at 9 Metrotech Center. He also works at 301 3<sup>rd</sup> Street. What type of building is 301 3<sup>rd</sup> Street? Is 590 Broadway a high-rise building? Does the fire alarm system have a 2-way voice communication at 590 Broadway? Explain your answers.

264. A fire alarm activates on Floor 81 in a high-rise building and another alarm activates on floor 18. The FDNY responded to the alarm activated from 81 and the NYPD responded to the alarm activated on 18. The alarm on the 18<sup>th</sup> floor is supervised by a central station contracted by the tenant company. What two events are happening in the

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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

building? Why was the tenant company on floor 18 allowed to contract a central monitoring station? Why didn't the FLSD make an announcement to floors 17, 18, and 19? Explain your answers.

265. "Fire hose in other stairwell." What type of emergency stairs does this property have for occupants to use during a fire emergency? If this text (sign) appears in Stairwell "A" on the 20<sup>th</sup> floor, what part of the standpipe system will be found when the door is opened? In which stairwell is the fire hose on the 19<sup>th</sup> floor? Explain your answers.

266. During a fire in a hotel on 57<sup>th</sup> Street the smoke did not spread into the elevator shaft thereby protecting the elevator occupants even if the elevators did not recall immediately. How is it possible for the smoke not to have spread into the elevator shaft? Explain your answer.

267. During a Thermal Insecticidal Fogging Operation, the Fire and Life Safety Director took necessary safety precautions. Twenty minutes later a fire alarm activated in the area of the fogging operation while the fire alarm system was "on-line", but the FDNY did not respond. Is this fogging operation happening in a hotel or office building? What did the FLSD fail to do prior to the operation? Explain your answers.

268. A fire alarm is activated on the 10<sup>th</sup> floor in a commercial office building and the Fire and Life Safety Director resets the system after getting confirmation from the FLS Warden that there was no fire. Two minutes later another fire alarm is activated on the 50<sup>th</sup> floor and the FLSD is informed by the FLS Brigade that there is a fire. Why did the FLSD reset the system without waiting for the FDNY to arrive? What action did the FLSD immediately take when informed of the fire on the 50<sup>th</sup> floor? Where was the FLSD at the time that both alarms activated? Explain your answers.

269. The construction classification indicates the fire resistive rating of the material used to create the building. The construction type is the actual material used to build the structure. Is the FLSD responsible for knowing the construction class and type of the property where he/she is employed? Where is this information found? Explain your answers.

270. Ten loaded sprinkler heads were found by the FLSD while conducting the monthly inspection of the sprinkler system soon after a major painting job in the building. There are 1,350 standard sprinkler heads in the building. Can the FLSD do the monthly inspection of the sprinkler system? Yes, or No? If yes, does the FLSD hold more than one Certificate of Fitness? After replacing the ten sprinkler heads, how many spares are left? Explain your answers.

271. The Chief Engineer holding a Refrigeration System Operating Engineer Q-01 license is called at home on Saturday and informed by the Deputy FLS Director, who just returned to work after a two-week vacation, that the sprinkler system in the cellar and sub-cellar was out of service. The engineer hangs up the phone and goes back to sleep. Why did the Deputy FLS Director call the engineer? Why did the engineer hang up the phone? Was this a planned or unplanned impairment? Explain your answers.

272. A violation order is issued to the building owner for not conducting the required fire drills. The FLSD conducts the required drills within 30 days of the violation order and mails to the FDNY a notarized Notice of Correction. Why was the responsible person ordered to attend a hearing? Where was the hearing held? Could the Deputy FLSD have attended the hearing? Explain your answers.

273. A horizontal evacuation of the occupants is ordered due to a fire emergency. At one point the door to a room is intentionally closed by an employee, entrapping people in the room, who soon perish. In what type of property is this fire happening? Why wasn't a vertical evacuation ordered? Did the employee commit a crime? Who ordered the evacuation? Explain your answers.

274. A candidate for the Fire and Life Safety Director Certificate of Fitness attends the courses at an approved school and passes the exams. He then passes the Certificate of Fitness Exams at the FDNY and his Experience Verification Letters are in order. He receives the Certificate of Completion Z-89. The candidate is then scheduled to take the EAP practical on-site test, but the FDNY refuses his test at ABC Hotel. Why was his on-site test denied? What does ABC Hotel need to do for the FDNY to be able to administer the on-site test? Explain your answers.



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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

275. Upon a fire alarm activation, a person in a sleeping room is awoken while in bed. The individual is blind and deaf and no one woke him. How did the person know that there was a fire alarm activation? Explain your answer.

276. After being informed by an ex-employee that there was a bomb in a suitcase on the north side of the building, the FLS Director activated the shelter in place response. Was this the correct response to activate? Why? If this was not the correct response, then which response would have been recommended? Explain your answers.

277. The EAP (Non-Fire) Brigade consists of the chief engineer and the director of security. The FLS Director disputes that claim with the FDNY. The FDNY informs the FLS Director that the EAP (Non-Fire) Brigade in fact consists of two people: the chief engineer and the director of security. The FLS Director disagrees. Who is correct? Explain your answer.

278. Mutual Aid Agreement. Explain this concept.

279. During an in-building relocation of building occupants during an EAP emergency, the FLS Director relocated the occupants to a floor above the floor where the hazard was found. Was this action appropriate for the FLS Director to take? Explain your answer.

280. F.I.S.T. is the acronym for Force, Information, Space and Time. In which types of situations should F.I.S.T. be activated to prevent harm to people? Explain your answer.

281. The outside air intake fans are manually shut down; the elevators are manually recalled in Phase I and placed on Independent and the fail-safe doors are manually released. What is happening? Explain your answer.

282. A candidate is interested in becoming an FLS Director but is rejected by the FDNY. What certificate of fitness did the candidate fail to acquire prior to attempting to qualify for the F-89? Explain your answer.

283. One side contains building data and the other side contains colored diagrams. It is laminated and measures 8½ x 11 inches. What is the name of this document? Explain your answer.

284. Two of the emergency action plan responses to emergencies are "Partial Evacuation" and "Total Evacuation." A third concept is Defend in Place. True or false? What is Defend in Place? Explain your answers.

285. The FLS Director has the following occupants listed as individuals who require assistance in emergency evacuations: Maria, 10<sup>th</sup> Floor; Peter, 28<sup>th</sup> Floor; Sandra, 2<sup>nd</sup> Floor and John, 50<sup>th</sup> Floor. Who will be reached first via an elevator? Why? Explain your answer.

286. During the EAP component of the on-site exam, the candidate activates Fireman's Service Elevator Recall Phase I. The candidate proceeds to activate Phase II and correctly informs the Examiner of the particulars of Phase II operations. The candidate fails the on-site exam. Why did he fail the exam? Explain your answer.

287. The Shelter in Place provision is activated because of an external airborne hazard that is not expected to harm the building occupants. The FLS Director correctly shuts down the outside air intake fans, releases the fail-safe doors and activates Phase I of elevator recall even though the hazard is external. Are these the correct actions on the part of the FLS Director? Why? Explain your answer.

288. A candidate who holds an F-01 and who brings a letter indicating their intent to be listed in the building's FS/EAP, visits the FDNY at 9 MetroTech Center to take the EAP computer-based exam. The candidate is rejected and informed to return at a later date to take the computer-based exam. Why? Explain your answer.

289. A commercial high-rise building is 850 feet in height. The FLS Director has to select a building as the primary assembly area in the event of a Partial Evacuation or Total Evacuation; and has two options to choose from: Building "A"

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## **PROTECTING YOU THROUGH EDUCATION**

SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

is at a distance of 600 feet and Building "B" is at a distance of 851 feet. Which building must the FLS Director select? Why? Explain your answer.

290. The FLS Director informs Kenneth, a security officer, to account for the number of people employed by XYZ Company and who evacuated the building to the assembly area. Kenneth refuses to account for the number of employees from XYZ Company. Why did Kenneth refuse to cooperate with the FLS Director, who also happened to be the security supervisor? Explain your answer.

291. Allen, an employee of ABC Company in a commercial high-rise feels that he has the right to refuse to remain inside the building after the Shelter in Place provision is activated. The FLS Director informs Allen that he is not allowed to leave the property and failure to follow directives will result in his arrest. Who is correct? Explain your answer.

292. The following announcement was made by the FLS Director over the public announcement system to the building occupants upon deciding to activate the EAP: "There has been an explosion and we are activating the shelter in place response because airborne gases surrounding the building may be harmful to your health." Is this announcement accurate and complete? Explain your answer.

293. The FLS Director has to form an FLS Brigade and has the following people to choose from: property manager, deputy fire safety director, porter, director of security, manager of security, fire warden and chief engineer. How many people should be selected and whom? Explain your answers.

294. During an EAP on-site exam, how many key switches will the candidate activate with the 2642 key in a conventional elevator system? Explain your answer.

295. A person who holds a certificate of fitness F-80 mails a resume for a position as an FLS Director in a high-rise hotel. The HR Director does not call the candidate for an interview. Why? Explain your answer.

296. Upon activation of the EAP, the FLS Director must first activate the "silent" trip switch to the central monitoring station. True or false? Explain your answer.

297. The EAP mandates that a primary and an alternate stairwell be designated on each floor in the event of a Partial Evacuation, Total Evacuation, or In-Building Relocation. Theoretically, occupants in a building with two emergency means of egress will share the stairwells equally to evacuate (For example: Odd floors use stairwell "A"; even floors use Stairwell "B"). What is a fundamental flaw with this system? Explain your answer.

298. The Building Information Card (BIC) is designed to provide "at-a-glance" information for Building personnel, FDNY and other responding agencies. The BIC has data boxes on one side with detailed information on standpipes, elevators, stairwells, and other base-building components and on the opposite side there are two colored diagrams. What sections of the BIC will the FDNY Examiner question the candidate on during the on-site exam and why? Explain your answers.

299. What is being referred to by the term "Temporary Considerations" on the Building Information Card (BIC)? Why? Explain your answers.

300. What is a utility shaft? Explain your answer.

301. The total number of building occupants (including visitors) during the weekends must be noted as part of the Comprehensive FS/EAP. True or false? Why? Explain your answer.

302. A building has two Service Elevator Banks with one elevator each. Service Elevator # 11 services floors 1-30 (the entire building) and SE # 12 services floors 1-15. The building has two Passenger Elevator Banks and Bank "A" services floors 1-15. What is the letter designation for the elevator bank that has SE #12? Which elevator will be used

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## **PROTECTING YOU THROUGH EDUCATION**

SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

as the Primary elevator in an EAP emergency in the building for people with special needs? How many elevators are in Bank "A"? How many elevators are in Bank "B"? Explain your answers.

303. The names of owner representatives for two neighboring buildings appear on the Comprehensive FS/EAP for your building. What is the distance between your building and the two neighboring buildings? Explain your answer.

304. Upon completing a perimeter patrol at 2:00 a.m., a security officer observes a private BMW with tinted windows parked in front of the building in a "Taxi Stand." There is no one around to claim ownership. At 8:00 a.m., the vehicle is observed in the same location. What should the FLS Director do immediately after being informed of the suspicious vehicle? Explain your answer.

305. The emergency Means of Egress consists of the "Exit Access", "Exit" and "Exit Discharge." What is considered the "Exit Access"? Explain your answer.

306. What is the name of the area that is encased in reinforced concrete and provides a significant degree of protection from external threats? Explain your answer.

307. According to the Comprehensive FS/EAP, who is responsible for developing a system of accounting for tenant employees once a Partial Evacuation, Total Evacuation or In-Building Relocation has been ordered? Name two employee-accounting systems that would be acceptable to the FLS Director. Explain your answers.

308. In the event of an intentional bombing in the building, what is a key element that the FLS Director should consider when evacuating the building occupants to the primary assembly area? Explain your answer.

309. During an EAP activation, the elevators will be primarily used for egress or relocation of building occupants who need assistance. For which other major purpose will the elevators be used by the FLS staff? Explain your answer.

310. During the implementation of the EAP, the FLS Director activates the Inquiry Tone, makes an announcement, and activates the strobe lights. Are these steps correct? Why/Why not? Explain your answer.

311. Helen Kennedy is waiting on a passenger elevator on the 12<sup>th</sup> floor, concurrently the FLS Director implements the EAP, makes an announcement informing building occupants that there has been an explosion in the vicinity of the building. Three minutes later Ms. Kennedy is picked up from the 12<sup>th</sup> floor via the service elevator. Is Ms. Kennedy listed in the Comprehensive FS/EAP? Yes, or no? If yes, on which list does her name appear? Explain your answers.

312. The 23<sup>rd</sup> Floor is assigned Stairwell "P" as its primary evacuation stairwell upon activation of the In-building Relocation, Partial Evacuation or Total Evacuation provision. John Smith, who is regularly assigned to the 23<sup>rd</sup> Floor, uses Stairwell "Q" to evacuate. What should happen to Mr. Smith for not following the proper evacuation procedures? Explain your answer.

313. Upon activating the Shelter in Place provision, a tenant by the name of William Burns insists on exiting the building. The FLS Director informs Mr. Burns that he is not allowed to exit the building unless he has a medical emergency at home. Mr. Burns insists that he is allowed to exit the building regardless of the reason for wanting to under the provisions of the Comprehensive FS/EAP. Who is correct? Explain your answer.

314. Upon realizing that the chemical that was accidentally released is harmful to humans, and may lead to death, Mr. Singleton asks the FLS Director to allow him to re-enter the building after the building was shut down and access doors secured. The FLS Director refuses to allow Mr. Singleton to re-enter the building. Why? Explain your answer.

315. The controlled movement of people from an endangered area in their building but would face a greater danger if they are evacuated. What is the name of this provision? Explain your answer.

# RADIANT TRAINING & CONSULTING, LLC

## PROTECTING YOU THROUGH EDUCATION

SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

316. After an evacuation, building occupants will not be allowed to return to the building unless cleared by the Authority Having Jurisdiction (AHJ). The FLS Director wants to allow the occupants to return to the building. The FDNY's Battalion Chief does not want to allow the occupants to return to the building. Who is the AHJ in this scenario? Why? Explain your answer.

317. After evacuating the building upon the activation of the EAP, Richard Clark, the CEO of Industrial Lights, Inc., which pays \$2.5 million in annual rent, insists on returning to his floor to retrieve an item he left behind in his haste to evacuate. The FLS Director does not allow Mr. Clark back into the building because of safety concerns. Was the FLS Director's decision, correct? Explain your answer.

318. A suspicious package is discovered next to a load-bearing column in the main lobby of a 50-story commercial building. A second and identical suspicious package is found near a non-load-bearing wall where the lobby artwork is being assembled for display. The FLS Director activates the EAP. Which of the two identical packages should the FLS Director be more concerned about addressing? Why? Explain your answer.

319. Dan Sanders is the facilities manager for ABC Consultants on the 45<sup>th</sup> floor. Upon activation of the EAP, Mr. Sanders responds to the main lobby's revolving door to control access and egress into the building. Is Mr. Sanders listed on the FS/EAP Staff list? Explain your answer.

320. The EAP is not applicable to retail tenants with entrance/exit doors on the street level. True or false? Explain your answer.

321. The primary means of communication between the FLS Director and the building occupants is the portable radio (walkie-talkie). True or false? Explain your answer.

322. The Friendship Building at 100 Lexingtonian Avenue has one elevator lobby that services the entire building. The first seven elevators are for passenger use and one is for freight use. In the event of an EAP activation, where do occupants requiring assistance wait for an elevator? What is the freight elevator number? Explain your answers.

323. Ms. Joan Lane, a building tenant, requests that the FLS Director add her name to the list of occupants needing assistance during an EAP activation. The FLS Director refuses to add Ms. Lane's name to the list because she refuses to disclose her medical condition. Ms. Lane is adamant in her request that her name be added to the list. Who is correct? Explain your answer.

324. The security officer assigned to manually operate the elevator to assist occupants who need assistance evacuating, uses passenger elevator #8 to reach those occupants. What is the status of the freight elevator? Explain your answer.

325. Where is the FLS Director's email address found in the Comprehensive FS/EAP? Explain your answer.

326. Luis Garcia is a porter and is listed in the building critical operations staff list. Does Mr. Garcia's name appear on the correct list? Explain your answer.

327. The deputy FLS Director activates the shelter in place provision. The particulars of the incident change and now a different provision must be activated to protect the occupants from harm. However, the Deputy FLS Director is informed by the FLS Director that once a provision is instituted for a particular incident, it cannot be changed. Who is correct? Explain your answer.

328. It is 3:00 a.m. and the FLS Director is on vacation. The FLS Building Evacuation Supervisor (FLS BES) is informed by the engineer that a contractor accidentally released toxic fumes on the 10<sup>th</sup> floor and the fumes are spreading to the upper floors of the building. Should the FLS BES activate the EAP? What would be the appropriate provision of the EAP to activate? Explain your answers.

# **RADIANT TRAINING & CONSULTING, LLC**

## **PROTECTING YOU THROUGH EDUCATION**

SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

329. The FLS Director must wear identifying apparel whenever the Comprehensive FS/EAP is activated. True or false? Explain your answer.

330. An airborne hazard is created as a result of a radiological incident. What are the symptoms associated with radiation contamination? Explain your answer.

331. A suspicious substance is delivered in an envelope to Jane Danson who works for XYZ Company on the third floor of a 35-story building. The characteristics of the substance are as follows: white powder similar to Anthrax. Ms. Danson's colleague calls the FLS Director to report the white powder. Who should the FLS Director contact first? Explain your answer.

332. A place of assembly is approved for use by the Department of Buildings. Are approved spaces also designed for catastrophic emergencies? Explain your answer.

333. Single Command and Unified Command. Explain these concepts and how they affect the execution of a response to an emergency. Explain your answer.

334. Unlike a fire situation, during the activation of the EAP's Total Evacuation concept the revolving doors do not need to be flattened (collapsed). True or false? Explain your answer.

335. According to a commercial building's population statistics, there are over 100 people above FL-1 at all times. The building manager has an FLS Director on duty from 7a-3p. Is this building in violation of the Fire Code? Explain your answer.

336. An emergency is happening in the building and the FLS Director informs the occupants to In-Building Relocate. Some occupants disregard the FLSD's directive and decide to go to the roof and await a helicopter rescue. Were the occupants correct in in-building relocating to the roof to await a helicopter rescue? Yes or No? Explain your answer.

337. When conducting a bomb search, the FLS Director will inform the person assigned to conduct the bomb search to pair with an employee of the tenant company who is familiar with the office layout. Who would be the appropriate person to ask to assist in the bomb search? Why? Explain your answer.

338. The Nuclear Regulatory Commission oversees nuclear power plants in the United States. What is the name of the nuclear power plant that is within a 50-mile radius of New York City? Will radiation reach NYC if there were an accident at this nuclear power plant? Explain your answers.

339. General admission events such as "festival seating" at a concert venue may cause a craze, which is a behavioral category that occurs when there is a competitive rush by a large group of people to obtain a valued objective. An FLS Director should implement the In-Building Relocation provision to avoid overcrowding disasters. True or false? Explain your answer.

340. A candidate is preparing for the FLSD on-site exam and is informed by the FLS Director that one of the parts of the exam is titled, "Building Knowledge." What is the name of the document that contains information relative to Building Knowledge? Explain your answer.

341. What is the title of the person who is listed on the FS/EAP and who is usually responsible for the utilities and fuel oil systems in the event of an EAP activation? Explain your answer.

342. A floor that does not have a designated in-building relocation area is designated a stairwell that will be used to reach an in-building relocation area on another floor. True or false? Explain your answer.

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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

343. A candidate for the Certificate of Fitness F-89 must know the following: Whether there is a Day Tank in the building; and whether there are scissor stairs in the building. True or false? Explain your answer.

344. The FLS Director activated the EAP and the Total Evacuation provision. The fail-safe doors were released. Why did the FLS Director release the fail-safe doors if everyone was ordered to evacuate the entire property? Explain your answer.

345. During the FLSD on-site exam the candidate did not wear identifying apparel. The candidate's failure to not wear their identifying apparel resulted in the revocation of the candidate's F-01. True or false? Explain your answer.

346. Since Warden Phones are used during fire emergencies only, the candidate for the F-89 is not required to communicate via Warden Phones during the on-site exam. The candidate is only required to communicate via the two-way communication system in the elevators. True or false? Explain your answer.

347. After being informed of a suspicious package with oil stains and protruding wires on the third floor, the FLS Director immediately reported to the third floor and determined that 911 should be activated and the EAP should be implemented. What did the FLS Director fail to do? Explain your answer.

348. A candidate for the F-89 must first hold an F-91 in the same building where the F-89 on-site exam will be administered. True or false? Explain your answer.

349. A FLS Director is responsible for training the building's FLS Wardens. The Deputy FLS Director is not. True or false? Explain your answer.

350. During the "Training Requirements" part of the FLS Director on-site exam, the candidate is allowed to prepare a written outline relative to the position that requires training. The candidate wrote down several key training tasks, but then forgot to mention them to the examiner. The examiner does not give the candidate credit for those tasks that the candidate failed to orally mention. The candidate disputes that argument and states to the examiner that points should not be deducted since the candidate had written them. Who is correct? Explain your answer.

351. The FLS Director is employed on a property that has a place of assembly that legally holds 300 people. An event is scheduled and the guest count is 300. 40 other people show up with formal invitations and insist on being allowed to proceed to the 50<sup>th</sup> Floor, where the event was being held. What should the FLS Director do? Allow the extra 40 people to attend the event, or not allow them access? Explain your answers.

352. Because EAP activations may happen for hundreds of accidental and intentional hazards, FLS Directors must ad lib to correctly state what has happened, where it has happened, what EAP provision will be activated and why, during their announcement. True or false? Explain your answer.

353. The Authority Having Jurisdiction announces via media outlets that Chemical X has been dispersed by terrorists in the Midtown Manhattan area. The buoyancy of Chemical X is heavier than air. The FLS Director activates the EAP and In-Building Relocates the tenants and building occupants from the lower floors to the upper floors of the building. Was this the correct action for the FLS Director to execute? What did the FLS Director shut down? Explain your answer.

354. The FLS Director is not responsible for initial training of the Deputy FLS Director since they both have F-89s. True or false? Explain your answer.

355. An NYPD captain enters the property and informs the FLS Director to partially evacuate floors 1-10. Before the announcement is made by the FLS Director, the FDNY's Battalion Chief enters the property and informs the FLS Director to conduct a Total Evacuation of the building. Whose order should the FLS Director follow? Explain your answer.

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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

356. Raymond Jones is employed by Company X at 501 Broadpark Avenue. Mr. Jones has mentioned to the FLS Director that he no longer wants to be an FLS Warden and would like to resign. The FLS Director refuses to accept Mr. Jones' resignation from the program? Who is correct? Explain your answer.

357. The title of the person indicated on the Comprehensive FS/EAP who may override all decisions made by the FLS Director is the FLS Building Evacuation Supervisor. True or false? Explain your answer.

358. A FLS Warden directs occupants to use elevators upon the implementation of the EAP. Was this directive correct? Explain your answer.

359. Rescue chairs are designed to assist people who are not able to evacuate via stairwells. The Rescue chairs are chairs with casters (wheels) that allow the assistant to push the person more rapidly to the elevator lobby where they wait to board an elevator. True or false? Explain your answer.

360. Three conditions exist that determine the impact that a bomb detonation would have on people and property. The size/type of device (suitcase/explosive-laden vehicle); the distance between the bomb and the structure (building); and \_\_\_\_\_. Explain your answer.

361. The new role of the FLS Building Evacuation Supervisor (based on Local Law 26) is to report to the location of the incident to determine what would be the appropriate actions to take relative to the activation of the EAP. True or false? Explain your answer.

362. The FLS Director in Building "A" observes people discharging from Building "B" via the emergency stairwell across the street. Building "A's" FLS Director contacts Building "B's" FLS Director and inquires if there is an emergency in Building "B." Building "B's" FLS Director states that there is not an emergency. What is happening in Building "B"? Explain your answer.

363. A water pipe bursts on the 50<sup>th</sup> floor of a 50-story high-rise hotel. Thousands of gallons of water are discharged throughout the entire hotel. The FLS Director implements the Total Evacuation concept and everyone is directed to go to the In-Building Relocation Areas (IBRA). Everyone is accounted for. Explain what is wrong with this scenario.

364. Building "A" conducts a Total Evacuation drill once a year as mandated by Local Law 26: Emergency Action Plan for High-Rise Buildings. True or false? Explain your answer.

365. During the semi-annual Instructional EAP drills, the FLS Director instructs the deputy FLS Director to allow the guests to familiarize themselves with the emergency stairwells by walking/escorting them down two floors. Name five discrepancies in this scenario. Explain your answer.

366. What does the acronym ADA represent? How does the ADA affect the actions of FLS Directors in emergency situations? Explain your answer.

367. A crane collapsed on the right exposure of Building "A," a 40-story commercial high-rise. There is structural damage and some occupants on floors 20-30 have been harmed by debris and glass. The FLS Director activates the Shelter in Place provision of the EAP for the entire building. Was the FLS Director correct in implementing the Shelter in Place provision? Explain your answer.

368. A person by the title of "Security Officer" is assigned to report to the Primary Assembly Area upon activation of the FS/EAP's Partial Evacuation or Total Evacuation concept. The Security Officer is a member of the FLS Brigade. True or false? Explain your answer.

# **RADIANT TRAINING & CONSULTING, LLC**

## **PROTECTING YOU THROUGH EDUCATION**

SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

369. The Fire Safety records must be filed for a minimum of three years. The EAP records must be filed for a minimum of five years. Comprehensive FS/EAP records must be filed for a minimum of \_\_\_\_ years. Explain your answer.

370. During the Comprehensive FS/EAP on-site exam, the candidate made the following announcement via the public announcement system: "Attention, attention please. This is the EAP Director . . ." The FDNY Examiner informed the candidate that the announcement was incorrect. Why? Explain your answer.

371. Of the following scenarios, which one will not require the activation of the EAP? #1: Crane collapses on the back exposure of a building; #2: Hurricane expected to shatter office building windows in three hours; #3: Outside smoke condition enveloping a high-rise hotel in Times Square. Explain your answer.

372. If there is a nuclear attack that causes radioactive fallout in Manhattan, residents may protect themselves by distancing themselves from Manhattan. Others may seek a safe haven. What is a safe haven? Explain your answer.

373. The Secondary Assembly Area cannot be an open area where the building occupants would be exposed to the natural elements (cold/warm/rain/snow). True or false? Explain your answer.

374. The FLS Director has been asked for the list of people needing assistance by an FDNY inspector. The FLS Director informs the inspector that the list is in the management office at the Cellar level. A security officer is directed to retrieve the list. After reviewing the list, the inspector approved the content of the list and handed it back to the FLS Director. Why was the FLS Director issued a violation? Explain your answer.

375. A property manager has asked the FLS Director to prepare a security plan in the event that the EAP is activated. The FLS Director informs the property manager that that is not part of his responsibilities and that the security director should handle that task. Who is correct? Explain your answer.

376. There was a person with a gun in the place of assembly and the metal detectors were not used on this person. The metal detectors were used on 5,850 people. Who was the person who was allowed in the property without being checked? What type of property is the person in? Explain your answers.

377. There is an emergency in the office building and the fire alarm is activated on the 35<sup>th</sup> floor. The air handling system did not shut down. Jack was reprimanded by the FLSD. Was there a fire in this building? What alarm-sending device activated the fire alarm? Why was Jack reprimanded by the FLSD? Who is Jack? Explain your answers.

378. "Good morning, Jim. I'm signing in just as I do every morning." In this active shooter event, 745 people evacuated (avoided). Floors 1-5 had 397 occupants and Floors 6-9 had 348 occupants. The occupants on the 50<sup>th</sup> Floor barricaded (hid). What floor was the shooter on at the time the 397 occupants evacuated (avoided)? Who committed the shooting? What is the use of the building where this shooting took place? Explain your answers.

379. The First Aid-CPR-AED-certified FLSD was informed of the medical emergency but refused to assist the victim. The victim died. Was the FLSD correct in refusing to provide assistance to the victim? Where in the building was the victim located? Was there another emergency happening at the same time as the medical emergency? Explain your answers.

380. Silence, darkness, unseen. What is happening? Explain your answer.

381. The FLSD, in response to a medical emergency, asked four people to perform tasks: 1) the first aid, cpr/aed certified person went to help the victim, 2) the elevator operator brought the elevator to the lobby to use on independent mode, 3) the area where the victim was located was isolated. What critical role did the 4<sup>th</sup> person play in this scenario? Explain your answer.



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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

382. The FLSD had to make an announcement indicating that Elevator Bank B would be out of service due to a medical emergency. How many elevators are in Bank B? On which floor was the emergency NOT happening? Explain your answers.

383. Joanna states that she can work a shift as a FLSD although she has not received her Certificate of Fitness F-89. Is she correct? If she is correct, what two items/actions has she taken to be able to work a shift as a FLSD? Does Joanna work in a residential building, high-rise shelter, or low-rise shelter? On which floors does the fire alarm activate? Explain your answers.

384. Brian was found dead on a Winter day. There were no signs of smoke, he did not suffer medical trauma, he was nowhere near a fire, he was not beaten, stabbed, or shot. Where was Brian found? What weather phenomenon happened earlier in the day when Brian was found dead? What killed Brian? Explain your answers.

385. Fingers spread apart. What incident is happening? Which part of the personal safety plan was being implemented? Explain your answers.

386. Upper right/Lower left. What was being placed on the victim? Was the victim unconscious? Who placed the device on the victim? Explain your answers.

387. The rooftop lounge/bar was waiting on a document to open for business in a new hotel. The Ground Floor of the hotel is 4,000 sq. ft. There are no roof setbacks in this property. What document was the restaurant management waiting on in order to open for business? What is the maximum number of people allowed on the rooftop lounge/bar indicated on the sign? Explain your answers.

388. The FLSD stated: "... gun shots ..." Where did the shooting NOT happen? Why? Explain your answers.

389. A woman who was wounded during an active shooter incident pleaded for help. The people she was asking to help her, ignored her even though she had life-threatening wounds and they were certified in first aid, cpr/aed. Who were the people who ignored her pleas for help? Why did they not help her? Were they terminated by their employer for not helping the woman? Explain your answers.

390. The steps were damaged due to the weather. Which type of stairwell exists in this building? Explain your answer.

391. David, who holds a Fire Guard F-01 for Impairment arrived to work first and patrolled five floors continuously every hour for a period of 40 days. David works from 8a to 4p. What was the square footage of each of the five floors? How many fire guards were hired for the fire watch in this 10-story building? Which floors did Jamal patrol from 8a to 4p? Explain your answers.

392. The FLSD is informed that there is a large crack on the side of the building. He goes outside and sees that the crack is 20 feet long. The Department of Buildings has been notified but will not arrive for the next 20 minutes. The FLSD evacuated the entire building. Was the FLSD correct in evacuating the building? Which plan did the FLSD activate? Explain your answers.

393. An elevator automatically stops on every floor in the hospital. On which day did this elevator begin to run automatically and stopping on all floors and on which day did it go back to normal operation? Was there an override of this feature when the fire alarm was activated by the water flow switch? Explain your answers.

394. The Letter of Acceptance was received today. What has to happen in the existing commercial office building within one year of today? How many floors did the occupants walk up/down the stairs? From which floor did the people go up the stairs? Explain your answers.

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

395. When calling 911 in an active shooter emergency, the caller stated that they were remaining at their present location. Why did the caller place furniture behind the door? Explain your answer.

396. EAP Elevator Demonstration: Phase I, Phase II. Did the candidate fail the elevator demonstration? Why? Explain your answer.

397. Samantha attended the fire safety component at School A, the EAP component at School B and the Active Shooter component at School A. Samantha schedules her COF test at FDNY. The FDNY representative informs Samantha that she cannot take the 120-question fire test because she attended the EAP class at School B. Samantha tells the FDNY representative that she may take each of the three FLSD components at different schools. Who is correct, Samantha or the FDNY representative? Explain your answer.

398. During the on-site exam's training session, the candidate stated to the FDNY Examiner that as a FLS Brigade member, she would: 1) assist people with special needs, 2) fight small fires and 3) report the conditions of the fire floor to the FLSD. The candidate failed the training session. Why? Explain your answer.

399. Ken suffered cardiac arrest in a high-rise building. He died. What floor was Ken on when he died of cardiac arrest? Why did he die? Explain your answers.

400. The gas shut off; the electricity shut off. Where was the fire? Explain your answer.

401. The shooter entered the property when the property had 1,004 people, although he had enough ammunition to kill all the people, only four people were dead. The Deputy FLSD then made an announcement. Where did the shooting happen? At what time did the shooting happen? Who were the four dead people? Was the Deputy FLSD a victim of this shooting? Explain your answers.

402. At least two inches above the severe leg wound; and don't take it off! What blood-stopping device was used on the victim? Explain your answer.

403. The on-site exam candidate was told by his manager that if he does not pass the exam on the second attempt, he will have to go back to school and retake all three components of the FLSD program. Is this true or false? Explain your answer.

404. Stephanie created a personal barrier to an effective evacuation during the active shooter incident. Susan, her colleague, and friend survived. What was the personal barrier that Stephanie created that led to her death? Explain your answer.

405. "I am going to die." Who was Tom talking to? Why did Tom survive? What happened to Tom that he felt that he would die soon? Explain your answers.

406. The explosion in the apartment did not kill Peter, but destroyed the apartment. It was not a gas leak. What did Peter activate minutes before the explosion? Explain your answer.

407. John Smith, the controversial CEO of ABC Furs, was injured when he opened a package that was addressed to him and exploded when he opened it. Soon after the Director of Security (DOS) was fired. Why was the DOS fired? What did the DOS fail to supervise? Explain your answers.

408. Naturally odorless, but Alan, the FLSD, was able to smell it and he immediately evacuated the building. Why was Alan able to smell it? What did he smell? Why did he evacuate? Explain your answers.

409. The building occupants were thirsty, but couldn't drink the water provided by the building. The building had no bottled water and no restaurant. Why could they not drink the building-provided water? What led to the building occupants not being able to drink the water? What appliance did the building lack? Explain your answers.

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

410. Clinton, the building liaison for Talented Incorporated, LLC informed the FLSD that they had their own plan to follow in the event of an active shooter incident in the building. The FLSD informs Clinton that he must follow the guidelines provided by the FLSD/Ownership. Who is correct? Explain your answer.

411. The FDNY, NYPD, OEM and Con Edison responded to the incident. The Deputy FLSD informed the Con Edison responders that because Con Edison is not a city agency, he would not follow any orders given by Con Edison, even though the emergency involved a steam pipe explosion in the building. What was the type of response activated by the steam pipe explosion emergency? What city emergency program was activated? Was this steam pipe explosion minor or major? Which agency coordinated and supported the responders? Did the FLSD reprimand the Deputy FLSD the next day? Explain your answers.

412. There was a fire in the high-rise commercial office building (B) on FL-3. During the fire there were building employees outside of the building getting something to eat. What type of fire alarm system is installed in this building? Where did the fire alarm/strobe lights activate? What response was activated by the FLS Building Evacuation Supervisor? Did the fire happen during business hours? Explain your answers.

413. Recommended Actions. Explain this concept.

414. Anthony, a First Aid/CPR/AED trained and certified volunteer attempted to rescue an ailing person in the building by performing CPR in accordance with the American Red Cross guidelines. The victim dies. The family sues. Will the family win the lawsuit filed against Anthony in NYS? Explain your answer.

415. "Attention, attention, this is the Fire and Life Safety Building Evacuation Supervisor. There is an active shooter on the 13<sup>th</sup> Floor. Activate your personal safety plan of Avoid, Barricade and Confront." The NYPD responded to the building after 911 was called by the FLS Building Evacuation Supervisor. The active shooter was never found and no dead bodies were found after a sweep by the NYPD. What went wrong? Why was the FLS BES fired? Explain your answers.

416. The fire alarm was activated by the water flow switch. There was no fire, no accidental or intentional damage to any alarm-sending devices, no smoke condition, no prank alarms, no water flood. There was no one in the building and the exit door was locked from inside/outside. What caused the water flow switch to activate the fire alarm? Was the building occupied or completely empty of people at the time of the fire alarm activation? Was the fire alarm (building) on-line or off-line with the central monitoring station? Explain your answers.

417. The FLSD was perceiving, processing, and predicting. He was also talking with three other people in the office building. What was the FLSD doing? Who was he speaking to? Explain your answers.

418. The Deputy FLSD is discussing with the Director of Security that if there is an emergency in the building, that he would inform the occupants to In-Building Relocate to the Roof. The Director of Security agrees, but only for emergencies in high-rise buildings. The FLSD overheard this conversation and informed the Deputy FLSD that In-Building Relocating the occupants to the Roof was ill-advised and not recommended by the FDNY. Who is correct? Explain your answer.

419. The FLSD was called on his cell phone by the Building Manager and was informed of an emergency in the building. The FLSD remained where he was and did not report to the FACP on FL-1. What was the emergency? On what floor was the emergency taking place? What was the action taken by the FLSD? Explain your answers.

420. He stated to the clerk: "One size 10 envelope and 10 stamps for the envelope please." The next day Thomas Patterson read the following: "To be opined by Thomas Patterson only." What is happening? Name three issues that categorize this situation as high-risk? Explain your answers.

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

421. Joshua stated to the fire marshals that during the fire, he, "Closed the door and the four people died." Where did the fire occur? Why did Joshua close the door that led to the deaths of the four people? Who were the four people who died? Was Joshua prosecuted for murder? Explain your answers.

422. Maxine, an employee in the building, exited the building using Stairwell X that leads to 17<sup>th</sup> Street; and now wants to return to the building after the doors to the building were secured to keep people from entering the building. What is happening? Is the emergency happening outside or inside the building? Which concept did the FLSD implement that would be recommended by the FDNY? Why didn't the FLSD allow Maxine back into the building? Explain your answers.

423. 300 feet. Explain this concept.

424. The FLSD activated stair pressurization when he activated the EAP due to an outside toxic airborne substance. There were 10 people inside the stairwell that decided to self-In-Building Relocate. What happened to the 10 people in the stairwell? Was the FLSD fired the next business day? What stair system was impaired at the time of this emergency? Explain your answers.

425. During the flood, Building "A" on Fifth Avenue and Building "B" on York Avenue suffered damage. Which of the two buildings suffered \$100 million in damage? Which of the two buildings kept the water level in the Cellar at 3 inches? Explain your answers.

426. The Office of Emergency Management (OEM) activated a system designed to address emergencies by establishing roles and responsibilities in the city. Tom, the FLSD stated that OEM activated NIMS; and Dan, the Deputy FLSD stated that OEM activated CIMS. What is the role of OEM? Who is correct, Tom or Dan? What is NIMS? Explain your answers.

427. There is a riot on Madison Avenue between 40<sup>th</sup> and 41<sup>st</sup> Street. There is one office building on the east side of Madison Avenue and one hotel on the west side of Madison Avenue between 40<sup>th</sup> and 41<sup>st</sup> Street. The Building Manager is on FL-1 and the General Manager is on FL-49 and they were both informed of the riot. Who informed them of the riot? Why were they informed about the riot? How far away were the office building and the hotel from the building from where the managers were called and informed of the riot? Explain your answers.

428. The FLSD made an announcement from the FACP and informed the occupants that there is a "situation on the 10<sup>th</sup> Floor." Did this announcement increase the risk to the building occupants? Why? Explain your answers.

429. The FLSD made an announcement over the P.A. system, walkie-talkies, email, text, Facebook, X and the intercom system. Why did the FLSD use so many different systems of communication during the active shooter incident? Explain your answer.

430. "I was watching 'Power' and the show was suddenly interrupted." What is "Power"? What type of television was Lola watching? What happened? Where was Lola when "Power" was interrupted? Explain your answers.

431. The cell phones of 12,876 people received a simultaneous text message. Who are these people? Where were most of these people when they received the message in October? Did the message indicate that there was a dangerous situation happening? Explain your answers.

432. He made an announcement to the building occupants via the FACP. He then scratched him, pulled his hair, punched him in the face, kicked him in the groin, hit him with a chair and sprayed him with a fire extinguisher. This fight took place at the FACP during the building's business hours. The FLSD was having lunch in the Cafeteria on the 10<sup>th</sup> Floor at the time of this confrontation. Who was the building employee who was involved in the confrontation? Who was he fighting? Explain your answers.

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

433. Kimberly works in a building with Occupancy Use "B" based on the 2008 Building Code. Joseph works in a building with Occupancy Use "E" based on the 1968 Building Code. Victor works in a building with Occupancy Use "J-1" based on the 1968 Building Code. Matt works in a building with Occupancy Use "A" based on the 2008 Building Code. Who works at Madison Square Garden? Who works at the Emporium Hotel? Explain your answers.

434. The stair pressurization system was functioning properly at the time of the fire emergency. Both Stairwell "A" and Stairwell "B" fans activated when the automatic fire alarm sounded on the 20<sup>th</sup> floor of a 40-story building. Tom was in Stairwell "A" on the 10<sup>th</sup> floor. Pam was in Stairwell "B" on the 25<sup>th</sup> floor. Why did Pam die inside the pressurized stairwell? Explain your answer.

435. It was 76 Degrees Fahrenheit outdoors. The people on the floor below the fire suffered from smoke inhalation because they did not In-Building Relocate as they thought that they were safe since smoke always rises. What was the temperature inside the building? What is the name of the concept that explains the direction of the fire/smoke relative to the temperature inside/outside the building? Explain your answers.

436. An opening of a door led to an explosion during a fire that killed two firefighters. What happened? Why did firefighters die and not civilians? During which phase of the fire did the explosion occur? Explain your answers.

437. During the active shooter incident in Richard's building that went viral, Richard answered the most important call on his cell phone when it was safe to do so. Who called Richard? Explain your answer.

438. "Remove that device right now!", Madelene, the GM, yelled to the handyman at the hotel. The door has an automatic closer. What device was Madelene telling the handyman to remove? Was the door fire-rated? Was the door a stairwell door or a Guest Room door? Explain your answers.

439. The multi-tenant building's business hours are Monday to Friday from 8a to 10p. Thomas, the Male Searcher on the 14<sup>th</sup> floor went home at 4p on a Wednesday. At what time did Thomas start work? Why did he leave at 4p? Was he in violation of his responsibilities by leaving before 10p? Does Thomas work for the building owners? Explain your answers.

440. T.I.P.S. Which of these letters (actions) were found to be unacceptable when Con Edison informed the FLSD that there is a large quantity of natural gas in the building that might lead to an explosion? Explain your answers.

441. The FLSD informed a person to shut down the air intake fans, told a second person to lock all the doors and told a third person to recall all the elevators in Phase I and place them in Independent Mode. Who was the FLSD speaking to and informing them to take these actions? What plan was being activated by the FLSD? Was the incident happening inside the building? Explain your answers.

442. 3%. What is the meaning of this percentage? Is this a hotel or an office building? Explain your answers.

443. A patron at a restaurant in your building became ill after drinking the tap water that was served to her. What did the kitchen staff fail to do before serving the water? What happened outside the building? Explain your answers.

444. The elderly couple fell asleep. At 3a, the alarm activated, the gentleman removed the battery from the device and fell asleep again. There was no fire/smoke condition. The couple was found dead the following morning. What device triggered the alarm? Why did the gentleman think it was an alarm malfunction? Explain your answers.

445. AHJ. Explain this concept.

446. There is a 1,000-person riot in front of the building. Simultaneously there is a natural gas leak affecting the entire building. Con Edison informs the FLSD that there is a 99% chance that there could be an explosion that could lead to building collapse. The building is a low-rise with one entry/exit door to the building. Why was there an FLSD working

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

in this low-rise building? At what time of the day did these events happen? What is the recommended action that the FLSD should activate? What plan did the FLSD activate? Explain your answers.

447. The FLSD greets a person at the service entrance that was summoned to the building to correct a problem with the Fire Pump. The FLSD asked the person to show him the \_\_\_\_\_ License. How did the FLSD know that there was a problem with the Fire Pump? What license did the FLSD ask to see? What does the Company that employs the licensed person do? Explain your answers.

448. A Unified Command response was necessary to address the emergency. The following agencies responded: FDNY, NYPD, DOT, DDC, DEP, DOB, DSNY, DOHMH, OEM and DoITT. Extract these acronyms. Was this a major or minor emergency? Which of these agencies "coordinated and supported" during the response to the emergency? Explain your answers.

449. It's 9a. "WARNING \_\_\_\_\_ Operation in Progress". A Licensed Electrician was on the premises. Mary came to work but was refused access. What are the three missing words on the sign? When was the sign posted and where? Who told Mary that she could not enter her office? What did the licensed electrician do at 8a? Explain your answers.

450. It's 8p on a holiday. Three people came to the office building to work that day. John is having an epileptic seizure on the 25<sup>th</sup> floor, Jennifer is experiencing cardiac arrest on the 24<sup>th</sup> floor and Felix is experiencing cardiac arrest on the 26<sup>th</sup> floor. Who died? Why? Explain your answers.

451. On a day when the outside temperature was 18 Degrees Fahrenheit, John, the Coordinator of Fire Safety, had all the occupants evacuate the building during a fire drill. In which building was this fire drill conducted? Why did John evacuate all the occupants? Did John lose his job for having the occupants evacuate in 18 Degree temperature? What type of fire alarm system is there in this building? Is this building a low-rise building? Explain your answers.

452. Phantom Points. Explain this concept.

453. During the on-site exam, the FLSD Examiner asked the FLSD candidate to explain to him the components of a commercial cooking system's fire suppression system. The building does not have any commercial cooking systems. The candidate explains to the examiner that because the building does not have a commercial cooking system, he should not be asking him (the candidate) any questions relative to commercial cooking systems during the on-site exam. The Examiner says that he can ask any questions that he pleases. The candidate disagrees. Who is correct? Is the on-site exam premises-related? Explain your answers.

454. "May I have your attention; may I have your attention please. This is the FLSD. We received a fire alarm from the 35<sup>th</sup> Floor and we are now investigating the cause of the alarm. Please listen for further announcements," said the FLSD over the public announcement system in response to a fire alarm activation. What is wrong with this announcement? Explain your answer.

455. It's 2:35 p.m. It is 72 Degrees Fahrenheit inside the Conference Room. It's now 2:36 p.m. It is 86 Degrees Fahrenheit inside the Conference Room. What signal is the FLSD receiving at the FACP? Which alarm-initiating device activated the signal? Of the two types of these devices, which one activated? Explain your answers.

456. The following is happening: (1) limited duration of exposure; (2) delayed entry time; (3) avoided bypassing the area; and (4) operated the HVAC. What do these four actions indicate is happening in the building? What type of incident is happening in the building? Which plan did the FLSD activate? Explain your answers.

457. After the Mayor indicated that a terrorist organization intentionally released an airborne biological agent that is deadly to humans, the FLSD at 200 Wall Street in Lower Manhattan ordered all building occupants to In-Building Relocate to the IBRA locations on their floors. John exited the building and did not get ill or die. Was the action of the

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

FLSD to In-Building Relocate the building occupants the FDNY recommended action? Why didn't John get ill or die while outside? Explain your answer.

458. While working at the construction site, the Construction Site Fire Safety Manager (CSFSM) told the construction worker that the Standpipe System is Automatic Dry. The construction worker argued that the Standpipe System is Automatic Wet, similar to the one in his apartment building. Who is correct? What must both the CSFSM and the construction worker consider in reaching their conclusions? Explain your answers.

459. Frank, the Chief Engineer was informed by the Fire and Life Safety Director (FLSD) that he should be prepared to shut down the outside air intake fans because he will be activating the EAP because of the riot that is about to happen in front of the building. Frank tells the FLSD that he does not take orders from the FLSD. Is Frank correct? What is the name of the group that Frank is a part of when the EAP is activated by the FLSD? Explain your answers.

460. During an active shooter incident in the high-rise office building, the FLSD had the elevators recalled in Phase I and placed in Phase II. The shooter could not use the elevators to move from FL-10 to another floor to continue to shoot people. The FLSD did not release the fail-safe locks in the building from the Fire Alarm Control Panel. The shooter entered Stairwell "A" and was able to re-enter on FL-12, where he killed five more people before committing suicide. What error was committed by the FLSD with the elevators? If the fail-safe locks were never released (unlocked) by the FLSD, how was the shooter able to enter FL-12 from Stairwell "A"? Had the shooter continued walking up the stairs, how many more floors (maximum) would he have had to walk up to the next available re-entry floor? What floor did he re-enter considering non-sequential numbering? How many people were in the building at the time of this shooting? Explain your answers.

461. Lamont, the FLSD at 500 Fifth Avenue is resigning on Friday. The following Monday, Lamont starts his new job at 300 Jamaica Avenue, where he is working the same shift that he worked at 500 Fifth Avenue. Three months later Lamont passes the on-site exam at 300 Jamaica Avenue, Lamont is added to the Comprehensive Fire Safety and Emergency Action Plan and it is submitted to the FDNY for approval . . . the plan is rejected by the FDNY. Why was the Plan rejected by the FDNY? What should Lamont have done with the FLSD F-89 C of F for 500 Fifth Avenue on his last day of employment? Explain your answers.

462. The NYPD responded to the emergency in the building. Eventually they informed the FLSD to give the "All Clear" announcement. The NYPD did not discharge their weapons and did not arrest the active shooter. What happened to the shooter? How many people were dead? Explain your answers.

463. On June 30, 2008, Malcolm entered an office building and did not see diagonal white stripes on the manual pull stations. The fire alarm activated because of an active fire and he saw the FLSD call 911 to report the fire to the FDNY. On June 30, 2009, Malcolm entered the same building and a fire alarm activated. The FLSD did not call 911 because it was a false alarm, but the FDNY responded to the fire alarm and reported to the building. Why did the FDNY respond to the false alarm on June 30, 2009, even though the FLSD, building employees or pedestrians did not call 911? Was the building on-line? Explain your answers.

464. 146 on March 25, 1911, 492 on November 28, 1942, 100 on February 20, 2003. What do these numbers and dates represent? Explain your answers.

465. There were similar fires at the MetroNYC Hotel, at the PanAmericana Office Building, the ALLY Homeless Shelter and Metropolitan Hospital. Where in these properties did the fires occur? What system extinguished the fires? Explain your answers.

466. Passive Fire Protection. Explain this concept.

467. Jennifer Thompson reported to work for ABC, Inc. at 9:00 a.m. and signed in when she reached her office on the 20<sup>th</sup> Floor. The FLSD made an announcement and totally evacuated the building when Carbon Monoxide was detected throughout the building. No one saw Ms. Thompson go to the subway station or into a retail store. Where is

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

Ms. Thompson? Who notified the FLSD that Ms. Thompson was unaccounted for? Who counted the people and where did the building occupants report to after evacuating? Explain your answers.

468. The FDNY Inspector issued the owner of the building a Violation Order when he went to the roof of the building. The roof did not have a Gravity Tank, HVAC units, Cooling Tower, or a Roof Manifold. There was no place of assembly or any type of office on the roof. The FLSD informed the owner two weeks earlier that if an FDNY Inspector showed and visited the roof, a violation order would be issued. What did the FDNY Inspector find on the roof that led to the issuance of the violation order? Is this a high-rise or low-rise building? Does the fire alarm system in this building include warden phones for two-way voice communication? Explain your answers.

469. The FLSD became aware that a 911 call was made by someone on a floor other than FL-1. No person told the FLSD about the 911 call. The FLSD made the following announcement to the entire property over the Public Announcement System on the FACP a short time later: "Attention, attention please. This is the Fire and Life Safety Director. Elevator Bank Z will be temporarily out of service to address a medical emergency on FL-12. You will be informed when elevators return to normal service. Thank you for your cooperation." Was this emergency happening in an office building or hotel? How did the FLSD become aware of the emergency? How many elevators are there in the entire property? Were elevator(s) operated in Phase II or Independent Mode? Explain your answers.

470. Phillip is the holder of a certificate of fitness that allows him to oversee the fire alarm system in the building. Phillip did not attend any fire safety courses at any of the approved fire safety training schools. Which certificate of fitness does Phillip hold? Where does Phillip work? What are the operating hours of the building where he works? Explain your answers.

471. The FLSD activated the Emergency Action Plan due to a non-fire emergency. The emergency was a gas leak outside the building. Was the affected area inside or outside the building? Which concept(s) was activated by the FLSD during this emergency? What was the affected area? Explain your answers.

472. The FLSD announced over the PA system that there was an active shooter on the 10<sup>th</sup> Floor. Where is this shooting incident happening? Explain your answer.

473. When the shooter entered the office where five employees had Barricaded; and although they were ready to attack the shooter should he enter the office, he killed four of the five. Why did four employees, who were prepared, collaborated, improvised weapons and were committed to their actions, die? Explain your answer.

474. The Staffing Chart in the R-1 included the names of the FLSD, Deputy FLSD, FLS Warden, Deputy FLS Warden, Male Searcher and Female Searcher. It did not include the names of the Buddies who would assist the employee who is wheelchair dependent. Is this Staffing Chart wrong for not including the names and contact numbers for the Buddies? Explain your answer.

475. The NYPD responded to the office building via a call from the Central Monitoring Station. Upon arrival at the building, they encountered a person with a firearm. The person with the firearm was not arrested or shot by the NYPD and was still alive and fine when the NYPD exited the building. Why did the NYPD respond to the building? Who was the person with the firearm? Why was the person with the firearm not arrested? Explain your answers.

476. The Central Monitoring Station called the FDNY and informed them of the emergency in your building. When the FDNY arrived at the building, they did not hear the fire alarm (evac tone), or see the strobe lights flashing anywhere in the building. The FLS BES informed the FDNY that he did not silence the fire alarm nor shut down the strobe lights. What was the emergency? When did the emergency happen? Explain your answers.

477. Three sets for the NYPD and one set for the FDNY. Explain this statement.

478. Marketing Floors. Explain this concept.



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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

479. Construction Floors. Explain this concept.

480. The newly hired Certificate of Completion Z-89 Holder started to prepare for the on-site exam. He went to Elevator Bank A and saw an elevator on FL-1 with its door open. He went inside the elevator and could not find the Passenger Panel with the floor buttons. He was perplexed as to how he was going to demonstrate Phase II to the FDNY Examiner if there were no buttons inside the elevator. What is this type of elevator system called? How is this Z-89 holder going to activate Phase II during the on-site exam? Do tenants in this building reach their floors quicker than if they used the traditional elevator systems? Explain your answers.

481. The Sprinkler System is of the Deluge type. Are the Branch Lines (pipes) wet or dry? Where is this system installed? Is there an FLSD on duty? Explain your answers.

482. The Heat-Ventilation-Air Conditioning (HVAC) System is comprised of through-floor duct work. What is through-floor duct work? What type of HVAC system is in this building? What is the major fear if this system fails to shut down during a fire? Explain your answers.

483. The Fire Guard looked for the pressure gauge on the portable fire extinguisher (PFE) while conducting the monthly quick-check inspection. There was no pressure gauge on the PFE. What is the color of the portable fire extinguisher? Is this a water-based or chemical-based portable fire extinguisher? What element is being used in this PFE to fight a fire? Explain your answers.

484. The water was being sprayed horizontally during the fire in the hotel Guest Room. Which type of sprinkler head activated? Is there a Plenum in the Guest Room where this fire occurred? Explain your answers.

485. The candidate for the Certificate of Fitness Fire and Life Safety Director F-89 completed the three required courses (components) and scheduled the Certificate of Fitness exam for the 120-question fire test. He failed the test with a 66%. He re-scheduled the test, but forgot the \$25.00 testing fee. The FDNY representative informed the candidate that he does not need to pay for the second attempt at the test because he already paid the first time he tested. Did the FDNY representative make a mistake or is the \$25.00 testing fee a one-time fee? Explain your answers.

486. Elvis Polanco went to the FDNY to take the Certificate of Fitness Exam F-89. He was turned away by the FDNY even though he arrived on time on the scheduled date, brought all the proper documentation to test and had paid the appropriate fee. Why wasn't Mr. Polanco allowed to test? Explain your answer.

487. The sign read: "AUTOMATIC SPRINKLER SHUT OFF VALVE 8 FEET OPPOSITE THIS SIGN". Where is the sign posted? What is the color of the letters? Where is the valve located? Explain your answers.

488. The Fire Department Connection (FDC) that the FLSD for 500 Madison Avenue saw had one cover painted green and one painted yellow while walking past another building. Does this building have a Standpipe System, a Sprinkler System or a Combination System? Is this building a high-rise? Explain your answers.

489. The FLSD picked up the Warden Phone and notified the FLS Warden, who informed the FLSD of the fire condition on the floor where the FLS Warden works. The FLS Warden then used the Warden Phone on the re-entry floor to contact the FLSD to inform her that all the occupants are safe and accounted for. Explain what is wrong with this statement.

490. The fire alarm activated and an active fire was in progress. The FDNY was not notified of the fire alarm by the Central Monitoring Station even though the building/fire alarm system was on-line. What failed? Explain your answer.

491. Nick survived the active shooter incident while in the night club, while dozens of people were dead throughout the club. Nick did not Avoid, Barricade or Confront the shooter. The shooter saw Nick but did not shoot/kill

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

him. Nick did not plea with the shooter to save his life. Soon after, the NYPD shot and killed the shooter. What did Nick do that he survived the incident? Explain your answer.

492. A guest in the hotel is overdosing on cocaine on FL-23. The FLSD is notified and calls 911, (1) informs Security Officer Peter to escort the EMTs when they arrive in front of the hotel, (2) informs Freight Operator Joe to bring the freight car to FL-1 on Independent Mode to await the EMTs and run the car in Phase II to shuttle the EMTs to FL-23, (3) informs Maria, who is an employee of the hotel and volunteer certified in first aid, CPR and AED to assist the victim on FL-23, and (4) informs Security Officer Jennifer to control the crowd on FL-23. Did the FLSD activate the Emergency Action Plan (EAP)? Of the four people the FLSD contacted, to whom did he give wrong instructions? Explain your answers.

493. The office on FL-33 was protected by a sprinkler head that was wired to the fire alarm system to activate and automatically release water on the fire inside the office. The sprinkler head is not loaded. The sprinkler head is designed to fuse (activate/open) at 155 Degrees Fahrenheit. At 6:20p, there is a fire in the office and the temperature reaches 155 Degrees Fahrenheit. Why did the sprinkler head not fuse (activate/open)? Explain your answer.

494. The hand-wheel on the water valve in the Cellar is painted black. The FLSD claims that the valve services the Combination Sprinkler/Standpipe System. The Chief Engineer claims that the valve services the domestic water system in the building. The Master Fire Suppression Piping Contractor (MFSPC) claims that they are both wrong. Who is correct? Explain your answer.

495. The FLSD was on a floor Below Grade where he was able to see people on the sidewalk via windows. What level was the FLSD on: Basement Level, Cellar Level, Mezzanine Level or Sub-Cellar Level? Explain your answer.

496. A7. Explain what this means.

497. The Central Monitoring Station (CMS) Operator received a Trouble Signal, a Supervisory Signal, and a Fire Alarm Signal from 3333 St. Nicholas Avenue within minutes of each other. The FLSD was contacted by the CMS operator. The building was off-line with the CMS. How many call(s) did the FLSD receive from the CMS operator? Was the FDNY called? Who called the FDNY? Why? Explain your answers.

498. The Sprinkler System Tamper Switch on FL-29 activated. The FLSD responded to the FACP, the Central Monitoring Station (CMS) called the building and the call was answered by Security Officer Smith, the FLSD made an announcement and waited for FDNY's arrival since the building was on-line with the CMS. The building occupants were perplexed by what the FLSD said over the public announcement system on FL-29, FL-30 (Floor Above) and FL-28 (Floor Below). The FDNY did not respond. What went wrong? Explain your answer.

499. The Certificate of Fitness Holder S-14 left the building on his meal break from 8p-9p. The FLSD Certificate of Fitness Holder was in the building between 8p-9p. The FDNY Inspector showed at 8:20p and told the FLSD to contact the S-14 Holder by cell phone and to instruct him to immediately return to the building. The S-14 Holder stated that he would not return to the building until his meal break ended at 9p. Should the S-14 Holder have left the building? Was the FDNY Inspector correct in ordering the S-14 Holder to return to the building even though his meal break had not ended? Why was the FLSD working between 8p-9p when the building's business hours are 7a to 7p? Explain your answers.

500. The fire alarm is activated on just two floors of the high-rise building although the Comprehensive Fire Safety and Emergency Action Plan states that the fire alarm activates on the fire floor, floor above the fire floor and floor below the fire floor. On which floor did the fire alarm activate in the building that has 70 floors Above Grade and one floor Below Grade? Explain your answer.

501. Martha, who is wheelchair-dependent, works at the Amsterdam Hotel NY and survived the fire emergency with the assistance of two people. The two people who helped Martha were not members of the Fire Brigade. Who were the two people who helped Martha? Are they employees? If so, what is their work schedule? Explain your answers.

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

502. The Chief Engineer and the Building Manager both have Fire and Life Safety Director Certificates of Fitness F-89. The Chief Engineer works the 4p-12a shift as the FLSD and signed the logbook. The Building Manager is the Deputy FLSD on the 8a to 4p shift. Today the Building Manager stayed in his office beyond 4p to do work related to a new tenant's lease agreement. A fire occurs at 4:30p. Who is in charge of the fire emergency: the Building Manager or the Chief Engineer? Explain your answer.

503. All occupants exited the commercial office building by 11p and only the Deputy FLSD is working until 12a, the end of the business hours for that day. The FLS BES, who works the 12a to 8a shift does not show up to relieve the Deputy FLSD. The Deputy FLSD locked the front door and went home. Did the Deputy FLSD violate the Rules/Code by leaving the building at 12a when the FLS BES did not show up to work? Explain your answer.

504. Con Edison informed the FLSD that a major gas leak in the Cellar could lead to an explosion and possible building collapse. Concurrently there is a riot outside the main and only entrance to the building. What would be the recommended action for the FLSD to activate based on these two emergencies occurring at the same time? In-Building Relocation, Shelter in Place, Partial Evacuation or Total/Full Evacuation? Explain your answer.

505. On a day early in December, the FLSD, who works 40 hours in 5 days every week, was upset that the Deputy FLSD was an hour late to relieve him. The Business Hours are from 8a to 8p, Monday to Sunday. The FLSD mandates from the Building Manager that he gets paid one hour of overtime. The Building Manager agrees and deducts one hour from the Deputy FLSD. Is this an office building or hotel? What shift does the Deputy FLSD work? Is the Deputy FLSD a part-time employee? What is the minimum number of F-89 holders who work on the property? Did the Deputy FLSD on-site test in this property? Explain your answers.

506. Mass Vaccination. Which city agency should be responding to this situation? Explain your answer.

507. Staten Island Ferry Operations. Which city agency should be responding to this situation? Explain your answer.

508. Primary Agency Operations is the agency that responds to the incident because that type of emergency is their core competency. What system is used at the city level of government for the overall management of strategic and tactical operations during emergencies? Explain your answer.

509. There was an emergency in the building and 911 was activated. The Deputy FLSD got on the public announcement system and informed the occupants that the situation had been resolved ("All Clear"). The FLSD was upset at the actions taken by the Deputy FLSD; and informed the Deputy FLSD that if this situation repeats itself, that the Deputy FLSD will be fired. What did the Deputy FLSD do wrong? Explain your answer.

510. Tom, the Fire Guard for Torch Operations holding the Certificate of Fitness F-60 informed the FLSD that he will be on post 60 feet away from the torch operator. The FLSD informs Tom that he must not be that far because it would be a violation of the rules. Tom disagrees with the FLSD. Who is correct? What is the maximum distance that a Fire Guard holding an F-60 C of F is allowed to be posted from the torch operator? Explain your answers.

511. Upon activation of the fire alarm signal from a smoke detector on the 10<sup>th</sup> floor, the pressurization fans in the elevator shafts activated. The FLS Building Evacuation Supervisor informed the FLSD that the building has a dedicated smoke control system. The FLSD argued with the FLS BES and stated that the building has a non-dedicated smoke control system that activated the pressurization of the elevator shafts. Who is correct? What is a dedicated smoke control system? Is the dedicated smoke control system designed to protect the people in the building during a fire? When did the smoke detector activate? In what building use did this fire happen? Explain your answers.

512. The FLSD stated, "I have 10 blind floors in my building." Explain what he is referring to with this statement.

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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

513. Four protection management (security/fire safety) professionals meet at a local bar in Midtown for some drinks after work. They work in different buildings. One of them stated that he works at "9 West." Why didn't the other three people ask the street number/name? On which street is this building located? Explain your answers.
514. T.I.P.S. Explain this acronym.
515. The FLS Warden activated the Warden Phone from the fire floor (FL-50), but was on "hold". Who was speaking to the FLSD at that time? Why was the call on "hold"? Explain your answers.
516. There is a fire in an office building and 18 people died. The authorities investigating the incident came to the conclusion that the 18 people died because the FLSD informed them to use a particular stairwell that led to their deaths. Which type of stairwell did the FLSD inform the occupants to use to escape the fire? Explain your answer.
517. 300 dead. 500 injured. "Usted no pago por el arroz". Where did this fire happen? Who made the statement in Spanish during the fire? Explain your answers.
518. All the people on this property were moving from one side of the floor to the other side of the floor distancing themselves from the fire, based on instructions from the FLSD at 3:35 a.m. Where did this fire happen? Why weren't the occupants using the stairs to evacuate? What are the business hours of this property? Why was there an FLSD working at the time of the fire? Explain your answers.
519. Name the Core Competencies for the following City agencies: NYPD, FDNY, DOB. Explain your answers.
520. When becoming aware of a non-fire emergency, the FLSD then has to determine whether the non-fire emergency is outside or inside the building. The FLSD then has to determine which is the \_\_\_\_\_ and the \_\_\_\_\_. Explain your answers.
521. The FLSD ordered a Total Evacuation of the building and every occupant successfully reached the In-Building Relocation Area (IBRA) outside of the building and 550 feet north of the building. Everyone was accounted for as reported to the FLSD by the FLS Wardens using their cell phones. What is the problem? Explain your answer.
522. The NYPD officer who responded to the Active Shooter incident shot and killed a man armed with a firearm in the building. Concurrently, Cindy, an employee of Prince Industries on the 12<sup>th</sup> Floor reported that she just saw three people shot and killed before her own eyes. Who did the Police Officer kill? Explain your answer.
523. The engineer took an elevator to the 22nd Floor. What was the address of the building where the fire happened? In what city did the fire happen? What mistake did the engineer make? Explain your answers.
524. The Main Lobby square footage totaled 2,000. The building has no roof setbacks. How many people are allowed to attend the social media event on the rooftop restaurant? Explain your answer.
525. The FLSD was informed via radio by a fellow co-worker of the location of the fire, but the FLSD did not report to the Fire Command Center. Why? Where did the FLSD report to in the building? Explain your answers.
526. For the first time, she came into the building and removed several sprinkler heads. Who removed the sprinkler heads? Why? When did the building open for business? Explain your answers.
527. The Certificate of Fitness Holder Fire Guard **clearly** saw the fire and traveled 40 feet and extinguished the fire. Who caused the fire? What certificate of fitness does the fire guard hold? Explain your answers.
528. The fire alarm was activated by a water flow switch, which led to the following actions: HVAC system shut down and the fail-safe doors released. However, the elevators did not recall. How many floors does this building have above Grade level? Why didn't the elevators recall? Explain your answers.

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

529. A fire alarm was activated in the commercial office building. It was a false alarm (no fire) as confirmed by the FLS Warden and the Deputy FLS Warden. The alarm was not activated via a manual pull station. The FLSD informed the FLS Warden, Deputy FLS Warden and FLS Searchers to look for the person who activated the alarm and told them that the suspect smells terribly and is \_\_\_\_\_. Which alarm-initiating device activated the fire alarm? What three-letter word should be in the blank space? Explain your answers.

530. The candidate for FLSD attends and passes the Fire Component test on Tuesday, January 7. He then attends and passes the Active Shooter and Medical Emergency Preparedness Component on February 1 and the Non-Fire/EAP Emergency Component on February 20. By what date must the candidate take the N-85 Fire Component CBT and the Z-89 Non-Fire Component CBT at FDNY Headquarters? What is the latest date that he can take the second attempt at the On-Site Test? Explain your answers.

531. Two people carrying backpacks. Their cell phones activate. Who are these people and why did both their cell phones activate simultaneously? Explain your answers.

532. Tony, the FLSD, works full-time at 500 1<sup>st</sup> Avenue, and who was hired by another employer to work part time in a separate building, went to the FDNY and was arguing with the FDNY personnel why his Certificate of Fitness FLSD F-89 for 500 1<sup>st</sup> Avenue was suspended by the FDNY. Why was his original C of F F-89 suspended for 500 1<sup>st</sup> Avenue? What test must he take at FDNY? Explain your answers.

533. The building is 70 feet in height and was built in 1980; and it's fully sprinklered. In March 2019, the owner added three additional floors and the height increased from 70 feet to 101 feet. Which documents must be revised/updated? What fire suppression system must be installed in the building now that it is 101 feet in height? Explain your answers.

534. The firefighters arrived at the scene of the fire. A group of firefighters immediately took action to rescue two people trapped on the 27<sup>th</sup> Floor of the Building. Which truck was used to transport the firefighters who rescued the two trapped occupants? Explain your answer.

535. The person was awakened during the fire emergency by "shaking", but there was no earthquake. Does this person have a disability? If yes, what disability/ies does this person have? Where was the person when the fire alarm activated? Explain your answers.

536. The elevator recall feature activated but the elevator bank that services the fire floor did not recall the elevators to FL-1 when the fire alarm activated. The fire alarm did not originate on FL-1. Why didn't the elevators that service the fire floor recall to FL-1? Explain your answer.

537. The FLSD and the Chief Engineer got into an argument relative to the floor Below Grade in their building at 5998 Fifth Avenue. The building has one floor Below Grade. The FLSD stated that because the floor has windows it is called a Cellar. The Chief Engineer stated that because the floor has windows it is called a Basement. Who is correct? Why? Explain your answers.

538. "He's dead. Make the all-clear announcement." Who made this statement and to whom? What event just ended? Explain your answers.

539. The fire alarm did not activate during the fire although the fire alarm system was fully operational at the time of the fire and the FLSD was present. Why did the fire alarm not activate? How did the FDNY know that there was a fire in the building? Were there any people on the fire floor at the time of the fire? Did the fire alarm system receive a Letter of Approval from the FDNY when it was installed in the building? Explain your answers.

540. Security Officer Anthony carries a device that alerts him when a stairwell door is opened in the building. He receives notification on the device indicating that a total of 8 doors were opened within minutes. Six of the doors opened on FL-24, FL-25 and FL-26. The building uses every number consecutively to identify the floors and the stairwell re-entry system is every four floors. On what floor is the fire? How many stairwells are being used by the occupants? On what

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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

floor did the last two doors open? Were the last two doors opened from the occupancy side or the stairwell side? Explain your answers.

541. He was in the building one year ago and visited the common areas of every floor and some of the base building rooms. He's here today and will return in a year. Who is this person? What function is he performing in the building? What Certificate of Fitness does he hold? Explain your answers.

542. It's 2016. The FDNY informed the Refrigerating Systems Operating Engineer that he cannot renew his Certificate of Qualification Q-01. He was informed that because he is not a Certificate of Fitness Holder Fire and Life Safety Director F-89, he must attend the \_\_\_\_\_ Course to renew his Q-01. Explain your answer.

543. The Fire Alarm System was out of service for 9 hours on May 1st. Was the FDNY notified of this issue? Who notified the FDNY and why? Explain your answers.

544. The FLSD called 718-430-0200. What city agency did he call? In which borough is the building located? Explain your answer.

545. B-03. Explain your answer.

546. Brian explained to a friend, who is also an FLSD, that he works in Richmond County as the FLSD of a commercial office building measuring 70 feet in height. His friend, Peter stated that because the building is a low-rise (75 feet and under in height), that it is impossible for that building to require an FLSD, besides, he stated, "Richmond County is not part of New York City". Who is correct: Brian or Peter? Why does Brian's building require an FLSD even though it's a low-rise building? Where is Richmond County located? Explain your answers.

547. "A smoke proof enclosure is an exit stairway designed and constructed so that the movement of the products of combustion produced by a fire occurring in any part of the building into an enclosure is limited." The FLSD, Elvis, informed the occupants to use Stairwell A, a fire tower, during the fire emergency. Did Elvis inform the occupants to use the Primary Stairwell? Is Stairwell A a smoke proof enclosure? Explain your answers.

548. Alberto, the Building Evacuation Supervisor, has worked as a BES for 14 months and holds the Certificates of Fitness F-01, F-02, F-03, F-04, F-36, F-54 and F-91. He also works part-time at a homeless shelter where he has worked with his Certificate of Fitness Coordinator of Fire Safety and Other Related Systems F-80 for three months. Maria, the Building Manager informed Alberto that he is not qualified to become a Fire and Life Safety Director candidate. Alberto disagrees since he has multiple Certificates of Fitness and has 17 months of verifiable experience as a Building Evacuation Supervisor and as a Coordinator of Fire Safety. Who is correct: Maria or Alberto? Why? Explain your answers.

549. During a fire emergency in his building, Patrick, the FLSD, notified his Neighboring Buildings and informed them to conduct a Total Evacuation of their occupants. Shaniel, the FLSD of a Neighboring Building informed Patrick that she is not conducting a Total Evacuation of her occupants as directed by FLSD Patrick. FLSD Patrick insists that he is correct and has the authority to direct FLSDs in Neighboring Buildings as to what concept they should be implementing as indicated in the Fire Code and the Comprehensive Fire Safety and Emergency Action Plan. Who is correct: FLSD Shaniel or FLSD Patrick? Explain your answer.

550. The FLSD reported to work for the 8a to 4p shift. As he entered the building, he noticed protesters across the street who did not pose a threat to the building occupants. The FLSD treated this as an unusual situation and consulted with the Non-Fire Brigade to mitigate the situation in the event it became a serious threat to the safety of the building occupants. Who in particular did the FLSD consult? Which plan was the FLSD preparing to activate? Explain your answers.

551. The construction worker was found smoking inside the construction site. He was reprimanded by the Certificate of Fitness Holder S-56 for smoking while on the construction site. What is the title of the S-56 holder and did the S-56 have the authority to enforce the "No Smoking" policy? Which NYC fire was the catalyst for the introduction of the S-56 Certificate of Fitness Holder? Explain your answers.

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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

552. The FLSD informed the occupants on the fire floor, floor above the fire and floor below the fire to evacuate using the Fire Escape even though Stairwell A, an enclosed stairwell serving FL-1 to Roof, was free of smoke and obstructions. Was this a mistake on the part of the FLSD? Explain your answer.

553. In 2015: When the FLSD was speaking to the building occupants of the actions that would be taken by him and his staff during a hurricane, he was conducting the \_\_\_\_\_ Drill. Which word did the FLSD not use during his presentation? Explain your answers.

554. The zone that was cleared by the FLSD consisted of 300 feet, including areas above and below the danger zone. What emergency is happening in the building? Which plan is the FLSD activating? Explain your answers.

555. Jasmine, the First Aid, CPR and AED (Automated External Defibrillator) certified volunteer was notified by the FLSD to assist Mr. Jones on the 37<sup>th</sup> Floor. Mr. Jones was unconscious. Jasmine informed the FLSD that she was unavailable to assist Mr. Jones, although she was in the building at the time of the emergency and listed as a volunteer in the Comprehensive Fire Safety and Emergency Action Plan. What repercussions did Jasmine experience for not assisting during the medical emergency? Did Jasmine breach her responsibility by refusing to assist Mr. Jones? Explain your answers.

556. The EMTs arrived at Gate 5. Where is the medical emergency happening? Who is the victim? Who will be writing the incident report? Explain your answers.

557. Gabrielle Giffords and Patricia Maisch. Explain how these two women are connected? What incident happened where they were both involved? Explain your answers.

558. Con Edison advised the FLSD that due to a natural gas leak there is a possibility of an explosion inside the building in the Cellar level. The FLSD activated the EAP and instructed the occupants to Shelter in Place. Which tone did the FLSD activate? What happened to all the occupants? Did the FLSD die? Explain your answers.

559. The FLSD's wife works in the same building as the FLSD. She is an employee of ABC, Inc. on the 10<sup>th</sup> Floor. The FLSD activates the EAP and because a toxic/deadly chemical has been released outside (airborne), the doors were secured to prevent people from coming into the building. At the time of the activation of the EAP, the FLSD's wife was out for lunch. She is at the front entrance to the building asking the FLSD (her husband) to let her in the building. Who locked the doors? What should the FLSD do: Let her in or keep her out? What happened to the FLSD's wife? Explain your answers.

560. Distance/Barrier. Explain these concepts.

561. FDNY Inspector James visited the property and asked to speak to the FLSD. The inspector was not there for the unannounced inspection of the FLSD. He asked the FLSD for the architectural floor drawing of a particular space in the building. The building has a commercial cooking system. What was the purpose of the inspector's visit? Which other document did the inspector ask the FLSD to produce? How many people are allowed to be in the space for which the inspector asked for the floor drawing? Explain your answers.

562. The Department of Environmental Protection (DEP) showed to your building because there was a (a) water contamination problem or (b) an accident investigation or (c) a gas leak? Explain your answer.

563. The Chief Engineer, who has a Master's Degree in Emergency Management from John Jay College of Criminal Justice in NYC, and the FLSD, who has a Master's Degree in Fire Protection Management from the College of New Jersey, are arguing whether the response to the emergency in their building was a Single Command or a Unified Command Response. The FLSD argued that it was a Unified Command Response. The FDNY responded, as did the NYPD and the Department of Sanitation of the City of New York (DSNY). Who is correct: the Chief Engineer or the FLSD? Explain your answer.

564. When addressing an emergency, the FLSD must know that an emergency exists, then determine whether the emergency is outside or inside the building, then determine what is the \_\_\_\_\_ and what is the \_\_\_\_\_

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

\_\_\_\_\_. The FLSD has to determine who are the people whose lives are at risk: Are they outside or inside? Explain your answers.

565. John arrived at the FDNY on the scheduled date to take the Computer Based Test (CBT) for the Fire Emergency N-85. The test is administered at 9:00 a.m. He brought with him all the required paperwork. Why didn't the FDNY allow John to take the N-85 test? Explain your answer.

566. The FLSD informed the FLS Building Evacuation Supervisor during the training session, that he (the BES) is to report to the Fire Command Center (FCC) when he becomes aware of an emergency. On his first day as the BES, John, became aware of an emergency, but failed to report to the FCC, even though he was in the building and not doing any critical tasks at the time of the emergency. Why didn't John report to the FCC? Why was John safe? Explain your answers.

567. The Director of Security at 300 Park Avenue West, who has had fire safety related experience as Director of Security and previously as a police officer, informed the FLSD that the Central Station operators at ABC Central Monitoring Station will take over the emergency if the FLSD does not respond to the emergency in the building. ABC Central Monitoring Station is located at 300 Park Avenue West. The FLSD informs the DOS that what he's saying is senseless since the ABC operators do not hold the C of F F-89 or BES titles, hence they will not be taking over the emergency. Who are the only people authorized to activate the fire safety and emergency action plans? Why is ABC Central Monitoring Station located at 300 Park Avenue West? What Certificate of Fitness do the ABC operators hold? How many operators are working at ABC Central Monitoring Station now? Explain your answers.

568. The window washers' rigs are on FL-10, FL-40 and Roof of a high-rise commercial office building. In this building, which are the smallest floors based on square footage? Explain your answer.

569. Ben Affleck and Samuel L. Jackson star in the motion picture "Changing Lanes". In one scene, Ben Affleck's character activates a sprinkler head with a lighter. All the sprinkler heads are activated in the office building. What is the problem? Explain your answer.

570. There was a fire in a hospital. Where is the greatest likelihood where the fire started in the hospital? Explain your answer.

571. The FLSD and the Building Manager both stated that Fire Drills and Non-Fire/EAP Drills may be conducted on the same day. Are they correct? Explain your answer.

572. The Head of Customer Relations in a Class "A" property (Place of Assembly) stated to the FLSD that the guests must participate in the Fire Drills. The FLSD informed the Head of Customer Relations that guests do not participate in the Fire Drills in Places of Assembly. Who is correct? Explain your answer.

573. The FLSD stated that sending an email to the building occupants during a fire emergency is the primary means of communicating with the building occupants. True? Explain your answer.

574. "Shock Advised." What is happening? Explain your answer.

575. Natural gas was smelled by tenants in the building. If natural gas is odorless, how were the tenants able to detect it? Explain your answer.

576. Smoke Detector Cleaning Companies, Central Monitoring Station Companies, Commercial Cooking Systems Cleaning Companies, Fumigation/Thermal Insecticidal Fogging Operations Companies, Portable Fire Extinguisher Servicing Companies, and the Auxiliary Radio Communication (ARC) Companies. What do these six (6) companies have in common and are issued by FDNY? Explain your answer.

577. The gas detector activated a Supervisory Signal to the Fire Alarm Control Panel. The FLSD is expecting the FDNY to arrive momentarily even though he did not call the FDNY. Did an alarm activate in the building? How does the FLSD know that the FDNY would arrive soon? Who called the FDNY? Explain your answers.



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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

578. The fire spread throughout the floor. The fire-rated doors were closed and the walls existed. How was the fire able to spread throughout the floor? What system failed to operate as designed in a fire emergency? Explain your answers.

579. UL listed products. Explain your answer.

580. The strobe lights flashed during the fire emergency. The FLSD argues with the Security Officer that the strobe lights are alarm-initiating devices. The Security Guard argues that they are notification devices. Who is correct? Explain your answer.

581. The fire alarm system in your building triggers the alarm automatically on the fire floor and the floor above the fire. What must the FLSD in the building do with the floor below the fire floor? Explain your answer.

582. A building occupant is smoking a cigarette in the building near a smoke detector. The fire alarm activates because of the cigarette smoke. The FDNY responds because the system is on-line. The FDNY is told by the FLSD that the fire alarm activation was not caused by a fire. The building is issued a summons for having the FDNY respond to an UNNECESSARY or UNWARRANTED fire alarm activation? Explain your answer.

583. The FDNY arrived at the building and proceeded to recall the elevator bank that does not service the fire floor to bring up themselves and equipment to the staging floor below the fire. They did not ask the FLSD for the elevator recall key. How were they able to recall the elevator bank without the 2642 key? Explain your answer.

584. The person told the construction workers to meet at the Muster Point. Who told the construction workers to meet at the Muster Point? What was happening at the construction site? In a built building . . . what do we call the Muster Point? Explain your answers.

585. 186 minutes. Explain your answer.

586. The FDNY responded to the commercial office building 7 times in 10 days. All the responses proved to be unnecessary or unwarranted (false alarms). Why did the FDNY not issue FDNY Summonses to the building owner even though the FDNY responded more than once in any three-month period? How was the FDNY notified? Explain your answers.

587. The FLSD candidate asked people in the building to show him the sprinkler system and no one did. The FLSD would not show him the sprinkler system nor the building engineers. No one helped him understand the sprinkler system. How was the candidate able to pass the on-site exam? What document did he study to pass the on-site exam? Explain your answers.

588. The OS&Y valve was locked in the closed position. Is there a problem? Explain your answer.

589. The Upper Check Valve below the Gravity Tank allows water to descend from the tank to the Riser. Why is this Upper Check Valve needed? Explain your answer.

590. "If an opening is made to admit oxygen, the hot vaporized fuel bursts into flames, and the pressurized gases explode through the opening, resulting in a rolling fireball." The FLSD states that what has happened is a Rollover. The BES states that what has happened is a Backdraft. Who is correct? Explain your answer.

591. "Report to the FLS Warden Phone when an alarm is activated on their floor". Who is this person? Is this person a full-time employee? What hours does this person work? Explain your answers.

592. The people were found dead in the Exit Access portion of the Means of Egress. The 5 people were overcome by smoke. Explain where they were found and why did they die.

593. The FDNY issued the building a warning to remove the smoke detector device installed in the copy room on the 10<sup>th</sup> Floor. The FLSD stated that the smoke detector needs to be removed. The Building Manager disagreed. Who is correct? Why? Explain your answers.

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594. The FLS Building Evacuation Supervisor operated the Fire Alarm Control Panel (FACP) during the business hours of the building when a fire alarm was activated. What is wrong? Explain your answer.

595. The FLSD called the fire alarm maintenance company. What signal appeared on the FACP? Explain your answer.

596. A helium balloon caused the activation of the fire alarm signal in the Place of Public Assembly with a high ceiling. What type of detector triggered the fire alarm even though there was no fire? Explain your answer.

597. If the stem is raised above the control wheel the valve is open. Explain which valve is being discussed.

598. The fire alarm system automatically monitors the air-to-water ratio which should always be 1 (air) to 2 (water). What type of tank is being discussed here? Explain your answer.

599. The FLSD reported to work for the 8a to 4p shift on Tuesday, July 9<sup>th</sup>. He checked the FACP for power, trouble, and supervisory signals (there were none) and conducted the Lamp Test. He called the Central Station to make sure they were online. He completed the logbook. At 10:15a, the fire alarm activated on FL-50 while the FLSD was in the Cafeteria on FL-10. No one touched the FACP and no one called the FLSD since he left the walkie-talkie and cell phone at the Fire Command Center while he went to eat a sandwich in the Cafeteria on FL-10. The Auxiliary Tone activated because the ACK switch was not activated within 45 seconds of the fire alarm activating. The Auxiliary Tone was heard by the FLSD on FL-10, who proceeded to the Fire Alarm Control Panel on FL-1. The FLSD was able to hear from the FLS Warden who told him of the fire on FL-50. The fire alarm automatically activated on FL-50 and FL-51. The FLSD manually activated the fire alarm and strobe lights on FL-49 (floor below the fire floor). The FLSD informed the tenants of FL-50, FL-51 and FL-49 to In-Building Relocate to the IBRA on FL-44 (re-entry floor). The FLS Warden used Stairwell "A" to in-building relocate. The FLSD was informed by the FLS Wardens that all the people on FL-50, FL-51 and FL-49 made it to the re-entry FL-44. The rest of the building was told to Shelter in Place (no controlled movement of people). They all died. What happened? Explain your answer.

600. There is a fire in the coffee shop in the Main Lobby of a high-rise building. The FLSD saw the fire and triggered the alarm from the Fire Alarm Control Panel (FACP). On which floor(s) did the FLSD trigger the fire alarm? What did the FLSD activate to get the Central Station to contact the FDNY? What action were the people on the affected floor(s) informed to take by the FLSD? Explain your answers.

601. The building has three Roof Setbacks on FL-12, FL-25 and FL-40. The window washer asked the FLSD where he would be able to find the rig to clean the windows on FL-22. The FLSD said, "I don't know." What should have been the answer the FLSD should have given to the window washer? Explain your answer.

602. The FLSD called the Central Monitoring Station (ADT) and informed them to take off-line the manual alarm pull stations from 10a to 8p. At 4:37p a smoke detector activated on the 45<sup>th</sup> Floor of the building. Why did the Central Station Operators call the FDNY if the building was "off-line"? What Certificate of Fitness do the ADT Operators hold? What is wrong with the time period selected? Who took over the shift at 4p when the business hours of the building are from 8a to 12a? Explain your answers.

603. FDNY Inspector Stewart showed up to your building for the Place of Assembly Inspection. There is a restaurant in your building that holds 122 people. There is a cafeteria that holds 49 people. For which of the two places of assembly do you need to provide documents to Inspector Stewart? What two documents will Inspector Stewart want to see? Explain your answers.

604. During the fire drill everyone re-grouped at the Muster Point. Where did this fire drill take place? Who were the people who participated in this fire drill? What is the title of the person who scheduled and supervised this fire drill? Explain your answers.

605. During the fire drill everyone re-grouped at the Assembly Area . . . and when they returned to the building . . . all the participants signed in. Where did this fire drill take place? Who were the people who participated in this fire drill? What is the title of the person who scheduled and supervised this fire drill? Explain your answers.

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606. When they came in to work that morning, these individuals did not sign in, but they perform an essential service for their employers. What is the title of these people? Is it mandated for this person to exist in every Company in the B property? Explain your answers.

607. An alarm initiating device triggered the fire alarm in the hotel. The FLSD only knew the floor number of the fire based on the message displayed on the FACP. What device triggered the fire alarm? Was the alarm initiating device that triggered the fire alarm an automatic or a manual device? Did the elevators recall? Explain your answers.

608. I patrolled the property every hour of my 8-hour shift. What is my title? What Certificate of Fitness do I hold? During what time(s) am I working in the property? Explain your answers.

609. There was a fire and there were no sources of water in the area, including fire hydrants. What was on fire? Where did the water come from to extinguish the fire? Explain your answers.

610. There was a hurricane affecting the property and the FLSD decided to activate the Emergency Action Plan (EAP). He activated the Inquiry tone, made an announcement, and informed the occupants that there was a hurricane outside affecting the entire building and informed the building occupants to do a Total Evacuation to protect them from the hurricane. What is wrong with this scenario (if anything)? Did the building occupants die? Explain your answers.

611. Scott, the property manager, critiqued the FLSD's actions when the FLSD activated the Emergency Action Plan (EAP). Scott was not present the day before, when the FLSD activated the EAP. What is Scott doing by critiquing the actions of the FLSD? Explain your answer.

612. There is water in the cellar of your building and the FLSD activated the EAP. The leak was not coming from inside the building. What is happening outside? What floors did the FLSD inform to Shelter in Place? Which number did the FLSD call for a NYC response? What core competency city agency responded to the water issue? In what season of the year did this event happen? Explain your answers.

613. During the FLSD on-site exam, the FDNY Examiner informed the candidate to make an all-call announcement. The candidate failed the FACP portion of the exam. What did the candidate fail to do when he made the all-call announcement? Explain your answer.

614. The FLSD in the commercial office building (B) has a Comprehensive Fire Safety and Emergency Action Plan. The homeless shelter (R-1) has a Fire Safety and Evacuation Plan. The residential apartment building (R-2) has Fire Safety Guides and Notices (FSG&N). What is the title of the person responsible for activating the Fire Safety Guides and Notices? How frequently does the landlord provide the FSG&N to the residential tenants? Explain your answers.

615. The fire rated door to the Mechanical Equipment Room (MER) has a door stopper placed on the door by the Chief Engineer. The FLSD informed the Chief Engineer that he has to remove the door stopper. The Chief Engineer said, "No." The Chief Engineer is a Deputy Fire and Life Safety Director as well. Who is correct . . . the Chief Engineer or the Fire and Life Safety Director? Explain your answer.

616. Tony, the FLSD, has a Fire and Life Safety Director Certificate of Fitness F-89 for a "B" property that connects via a bridge on the second floor to a separate "B" property with a different address. Tony works Monday to Friday from 8a to 4p in both buildings. The FDNY Inspector issued a violation order to property management/owners. What did the FDNY Inspector write on the violation order? Explain your answer.

617. Twenty people are allowed on the roof. The building has no roof setbacks. What is the size in square footage of FL-1? Explain your answer.

618. When I visited and entered the Whitney Museum of American Art in the Meatpacking District and across from the Hudson River, I had to go up the stairs to enter FL-1 to see the Warhol, Haring, and Basquiat Art. What is the minimum number of floor(s) below Grade in this building? What is the name of the first floor that is below Grade? Why did I have to climb up steps to enter FL-1? Explain your answers.

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

619. In 1992, he was beaten on the West coast by police officers. What was his name? What happened after the verdict? How many people died? How many people were injured? In which county did he get beaten? Explain your answers.

620. 160 Degrees Fahrenheit. Which fire alarm initiating device triggered the fire alarm that activated the action of elevator recall to FL-1 . . . and only indicated the floor where the fire alarm initiated from? Explain your answer.

621. When he was called to assist with the emergency . . . he said, "No". What credential does he hold? Was he disciplined for saying "No" in assisting with the emergency? What condition allows him to say "No"? Explain your answers.

622. The FLSD informed the Property Manager that he wants to do a fire safety training session for the evening cleaning staff (matrons and porters) who work from 6p to 12a. The Property Manager approved the training as did the Supervisor of Cleaning Services. Why did the FLSD conduct this fire safety training? Was this fire safety training a Fire Code requirement? Explain your answers.

623. The person was given the following fire drill schedule for review and approval: Tuesday, April 12 at 3a, 10a and 7p. What is the title of the person who created the fire drill schedule? What is the title of the person who reviewed and approved the fire drill schedule? Where were these fire drills taking place? Explain your answers.

624. 37 voice messages were left on his cell phone. What incident/emergency just happened? Why didn't he pick up the cell phone calls? Explain your answers.

625. A pedestrian knocked on a homeless shelter door and they allowed him to remain inside the homeless shelter for the night. What was the temperature outside? Why did they allow him to stay inside the homeless shelter? Explain your answers.

626. The fire alarm activated and a Total Evacuation of everyone inside the building was executed. There was no fire. What type of fire alarm system is installed in this building? Is this building more than 75 feet in height? Who were the people who evacuated? Explain your answers.

627. The smoke on the fire floor was being removed from the fire floor at the time of the fire. The floor above the fire floor and the floor below the fire floor got filled with 100% outside air. What system is activated in this building? What fire alarm initiating device activated these actions. Explain your answers.

628. I walked 375 feet to a location. Why did I walk that distance? What happened to my building? Where did I go? Explain your answers.

629. 601 Lexington Avenue reinforced the column on 53<sup>rd</sup> Street between Lexington Avenue and Third Avenue . . . which is one of three load-bearing columns. They also made the parking lane into sidewalk, placed bollards around the building and placed "No Standing" signs on the north side of 53<sup>rd</sup> Street between Lexington Avenue and Third Avenue. What catastrophic event led the building owners to take these actions? Explain your answer.

630. A person was being chased by a gunman and he went into the Lever House building . . . and is now safe. Where is the Lever House Building? Why did the person go inside Lever House? Explain your answers.

631. There is only one fire alarm manual pull station in the building's Main Lobby designed to send the fire alarm signal to the central monitoring station when activated. No fire alarm automatically activated inside the building. What type of fire alarm system does this building have? Did the FDNY need to give a Letter of Approval for this fire alarm system? Explain your answers.

632. The FLSD candidate met the FDNY Examiner on the day of the FLSD on-site exam in the lobby of the office building. The Examiner was disappointed because he now has to deduct points from the exam (and they have yet to start the examination). What did the FLSD candidate fail to do when he met the FDNY Examiner? Explain your answer.

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633. The FDNY Examiner was conducting the on-site exam and asked the FLSD candidate where he (the candidate) would go to activate the fire safety plan or the emergency action plan if his safety was compromised on FL-1, where the FACP is located. The candidate stated that he would exit the building and go home. Where should the FLSD report to when FL-1 is compromised? The location that the FLSD reported to is known as? When the FLSD exited the building . . . where should he have gone to (instead of home)? Explain your answers.

634. The candidate for FLSD has a Certificate of Completion Z-89 that expires today, March 29, 2022. She did not take an on-site exam in the year for which the certificate was valid. What must she do to receive another Certificate of Completion Z-89 from the FDNY? If she allows her Certificate of Completion Z-89 to expire through March 29, **2023** . . . what must she do to attain another Certificate of Completion Z-89? Explain your answers.

635. The FLSD decided to activate the Emergency Action Plan when he received a signal at the Fire Alarm Control Panel (FACP) . . . and decided that the Affected Area was the entire building. What signal(s) did the FLSD receive at the FACP for which he decided to activate the EAP? Was the FDNY dispatched to the building? Who contacted the FDNY (if at all)? What action did the FLSD inform the occupants to take to protect them against the threat? Explain your answers.

636. The FLSD is about to activate the Emergency Action Plan because he feels the lives of the people inside the building could be at risk because there is a threat, but was told by the Property Manager, a member of the EAP Brigade, NOT to activate the EAP. FDNY Captain Jones enters the building and agrees with whom? The FLSD or the Property Manager? Explain your answers.

637. The waiter at the restaurant in the office building was terminated. What happened in the restaurant? Why did the waiter get terminated by the restaurant manager? Did the FDNY respond to the building? Did the diners pay their dinner checks? What is the title of the person who arrived at the restaurant the next morning? . . . What company is he an employee of? . . . What did he do? Explain your answers.

638. The occupants decided to use the stairs to go down from FL-56. They died. Which stair did they use? Why did they die? Does this stair service FL-1? Explain your answers.

639. Boarded Passenger Elevator (PE) #1 to FL-25. On FL-25 boarded Passenger Elevator (PE) #5 to FL-38. What is FL-25 called? How many Elevator Banks are in this building? How many PEs are in Bank "A"? Explain your answers.

640. FDNY Captain Petersen inserted his 1620 key at the FACP. Why? Explain your answer.

641. When the fire alarm activated, the office building's air conditioning system continued to operate in all the areas of the building, including on the fire floor . . . and the Fire and Smoke Dampers did not close. The building does not have Package Units nor Central Air Conditioning. What type of air conditioning system does this office building have in operation? Explain your answer.

642. The building engineer is the building's FLSD and he signs in as the FLSD for the 8a to 4p shift and as the building engineer from 8a to 6p. The air conditioning system uses 100 pounds of Freon and operates from 8a to 6p. The FLSD was relieved at 4p by the Deputy FLSD. Did the building engineer leave the building between 4p and 6p? At what time did the FLSD/building engineer leave the building and go home? Explain your answers.

643. The building does not have a post-fire smoke purge system. How does ventilation of the fire floor after the fire happens in this building? Explain your answer.

644. On the FLSD On-Site Exam . . . During the Phase I Operation of Fireman's Service Elevator Recall . . . the Examiner informed the Candidate to release the other three elevators in the Bank for occupants to use: Passenger Elevators (PE) 2, 3 and 4, while holding PE1 for the exam. How many keys did the candidate have with him when the elevator recall Phase I was activated? What is the name of the key(s) the candidate had in his pocket? How many keys were at the Fire Command Center during the test? Explain your answers.

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646. The FLSD (Peter), the Chief Engineer (Ed), the Director of Security (Rich) and the Property Manager (Scott) were in the lobby in consultation. What Plan is likely being discussed by these four individuals? What is Ed's responsible for doing when the Plan gets activated? Who is the person expected to activate the Plan? Explain your answers.

647. The FLSD at 300 Pennsylvania Avenue received a telephone call at the Fire Command Center and was informed that there was a gas leak in the building where the caller is calling from. Who called the FLSD? How far away is the building where the call came from? Why was the FLSD contacted? Explain your answers.

648. While at the Fire Command Center, the FLSD received a call from a cell phone . . . "Only 37 of us are here. We are missing Jack". How does the person know there are only 37 people accounted for? Where is Jack? Who called the FLSD? From where was the FLSD contacted? Who did the FLSD tell that Jack was missing? Explain your answers.

649. The fire happened at 280 Park Avenue in Manhattan and the FDNY responded to 280 Park Avenue in Manhattan. The FDNY had a difficult time locating the fire. Why? Explain your answer.

650. The Central Station Operator holding the Certificate of Fitness F-40 contacted the FDNY when they received a Fire Alarm Signal from a hotel at 200 Lexington Avenue. 718-494-4296. What did the operator do: (1) Called 911 (2) Called 311 (3) Called the Office of Emergency Management (OEM) or (4) Called the FDNY Borough Dispatch Office? In which borough was the fire? Explain your answers.

651. The building's business hours are from 8a to 6p. At 7a, all the doors in the building were secured so that there was no entry from outside. What Plan is being activated? Who is activating the Plan? Was the emergency happening outside the building or inside the building? Who secured the doors? Explain your answers.

652. The person lives in a residential building on FL-30 and is experiencing cardiac arrest. The EMS system was activated and the Emergency Medical Technicians (EMTs) reached FL-30. Did the person die? Why/Why not? Explain your answer.

653. There is an orange light on top of the light post at the intersection of Duane Street and Reade Street in Brooklyn. Why is there an orange light at that intersection? Who was dispatched to that intersection? Explain your answers.

654. "I need to see your receipt!" Who asked this question? Explain your answer.

655. Ty Longley, the Great White guitar player, and vocalist died in the fire. What led to his death and the deaths of 99 other people? In what year did this fire happen and in what State did this fire happen? Why did so many people die? Explain your answers.

656. No one informed the Security Division of the Company that Martin Smith was terminated yesterday. Mr. Smith, Caucasian, complained during his Exit Interview that he was being unfairly terminated from the Company, where he had worked for 28 years, and was never absent. Mr. Smith is 72 years old. He returned to the building the next day and security personnel did not stop his entry into the building. What crime did Mr. Smith commit when he returned to the building and went to the department where he formally worked? Who was the victim of his crime? How many people were found dead? Explain your answers.

657. The owner of five Holiday Inn Hotels has five Certificates of Fitness T-89s . . . one for each of the five hotels. How is it possible to have five concurrent T-89s? What is the T-89 holder's work schedule in each hotel? Which city agency gave the owner the waiver to have five T-89s? Explain your answers.

658. The Central Station Operator called the building upon receiving a Supervisory Signal from the building. The FLSD totally evacuated the building. What was the emergency? Is this building likely to be a low-rise? Did the FDNY respond to the building? Explain your answers.

659. 75 feet. Explain this concept.

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659. The FLSD had two fire alarm company technicians in the building to test the 50 manual pull stations. The FLSD took the building off-line with the Central Station: ADT. The off-line period was from 8a to 2p. A smoke detector activated the fire alarm on the 37<sup>th</sup> Floor at 9:43a. The FDNY responded when they were activated by the Central Station Operator. Why did the FDNY respond? Explain your answer.

660. 876 people participated. What happened? Explain your answer.

661. It is an ozone-depleting substance, harmful to the Earth's stratospheric ozone layer. Under the Clean Air Act, the United States has banned its production and importation. What non-water fire suppression system is being spoken of? Since when has this substance been banned in the United States? Explain your answers.

662. The building is off-line. There is a fire in the coffee shop in the Main Lobby. The FLSD activated the Central Station Trip Switch on the FACP. Did the FDNY respond to the fire? Explain your answer.

663. During the on-site exam, the Examiner asked the candidate if the building had any MRLs. What is an MRL? Explain your answer.

664. The FLSD came to work for the 8a to 4p shift on Monday. He asked the Building Evacuation Supervisor who he relieved if the building was on-line. The BES said "Yes". Something happened to an employee the previous Friday at 6p and the FLSD was not told what happened. The fire alarm was activated on the 24<sup>th</sup> Floor at 9:48a, and the Central station operators did not call FDNY to respond to the building. The FLSD was perplexed as to why the Central Station did not call the FDNY. Was the BES correct that the building on "on-line"? What happened on Friday at 6p? Why did the Central Station operators NOT call the FDNY when they received the fire alarm? Explain your answers.

665. It's 1998, the fire alarm activated in the building. An employee looked at a manual pull station and did not see a white diagonal stripe. What did the employee do next? Explain your answer.

666. Total flooding carbon dioxide fire extinguishing systems must not be installed to protect hazards within normally occupied areas. By when were these systems required to be removed in NYC? Why? Explain your answers.

667. There were metal detectors to screen audience members. The performers and the staff, including the shooter were allowed to enter the VIP areas where the metal detector may not have been used. The shooter was injured and exited as people fled the room. He was later arrested by the NYPD. In what venue in NYC did this active shooter event happen? How did the weapon get into the venue? Who was the alleged shooter? Explain your answers.

668. The security guard patrolled Stairwell A in the building and found the doors openable from the stair-side on Floors 4, 8, 12, 16 and 20. He informed the property manager that the doors needed to be looked in by the building's locksmith and should be locked because it was a security concern. What did the property manager do? Explain your answers.

669. Once the candidate attends and passes the FLSD classes at Radiant . . . How much time does the candidate have to take the Computer-Based Tests (CBT) at FDNY? Once the candidate receives the Certificate of Completion (COC) Z-89 . . . how much time does the candidate have to take the on-site exam? Explain your answers.

670. When was Representative Gabrielle Giffords shot by the active shooter . . . what action did Patricia Maisch take? Explain your answer.

671. Madison Square Garden, Radio City Music Hall, Barclays Center, Metropolitan Opera House, Carnegie Hall, Town Hall, and City Center. What classification does the 2008 Building Code give to these spaces? What type of alarm-initiating device may be installed in these spaces? Explain your answers.

672. Q-89. Explain this concept.

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673. In a building with a Destination Dispatch Elevator System . . . the Chief Engineer was arguing that the elevator numbers could NOT be repeated . . . and the FLSD was arguing that the elevator numbers could be repeated. Who is correct: the Chief Engineer or the FLSD? Explain your answers.

674. Two people entered 601 Lexington Avenue. Adam was going to FL-40 and Peter was going to FL-53. They both went to Elevator Bank B where the elevators service Cellar, FL-1, and FL-30 to FL-60. Why did Adam go to the Cellar to go **inside** the elevator and Peter went to FL-1 to go inside the same elevator **at the same time** although they were heading to different floors? Explain your answer.

675. During the on-site exam, the FLSD candidate failed the Fireman's Service Elevator Recall Phase II section. He could not find the Passenger Panel inside Passenger Elevator (PE) No. A3 for the Phase II in-car operation. What is happening? Why could he not find the Passenger Panel in PE A3? Explain your answers.

676. The student completed the Fire Emergency class and decided to take the school graduation exam 9 months and 1 day later. He arrived at the school and was told by the staff to re-pay, re-sit and re-test if he wanted another school diploma. He left. Why? Explain your answer.

677. According to the high-rise building's Comprehensive Fire Safety and Emergency Action Plan . . . the fire alarm activates on three floors: the fire floor, the floor above the fire floor and the floor below the fire floor. However when the fire alarm is activated in the building . . . the fire alarm only activated on the fire floor and the floor above the fire floor (not the floor below the fire floor). On what floor did the fire happen? How many floors below-Grade does the building have? To what floors did the FLSD make an announcement? Explain your answers.

678. There was an emergency in the office building (B) and the fail-safe doors/locks did not automatically release and the FLSD did not manually release the fail-safe doors/locks from the Fire Alarm Control Panel (FACP). What was the emergency? Explain your answer.

679. During the emergency, Service Elevator No. 17 was on FL-1 with the doors closed. What was the emergency? Explain your answer.

680. It is 65 Degrees Fahrenheit inside the building. It is 95 Degrees Fahrenheit outside. There is a fire inside the building. In which direction is the smoke spreading: up or down OR up and down from the fire floor? What is this phenomenon known as? Explain your answers.

681. During the emergency the sidewalk collapsed. In what season of the year did this emergency happen? What was the emergency? What was activated: 311 or 911? Was the response a unified command response or a single command response? Explain your answers.

682. During the on-site exam, the candidate failed the Emergency Action Plan (EAP) elevator section. What did the candidate do after recalling the elevators in Phase I serving the floor where the emergency happened? Explain your answer.

683. The fire alarm activated in the building and the FLSD (1) immediately reported to the Fire Command Center (2) Addressed the FACP to verify the location and which initiating device(s) is/are activated (3) Acknowledged the fire alarm (4) Ensured that all the elevators recalled in Phase I, and (5) Communicated with the Fire and Life Safety Warden, etc. What went wrong with the FLSD's actions? Explain your answer.

684. The FLSD reached the FACP and announced that there was an active shooter on FL-40. Did this incident occur in a Place of Public Assembly (Radio City Music Hall), at the Central Park Hotel or at the P&L Office building? Explain your answer.

685. There was an emergency in the building and the FLSD directed the occupants on the floor of the emergency to In-Building Relocate to one floor below the floor where the emergency was happening. The occupants went to the In-



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Building Relocation Area (IBRA) and remained there until the all-clear announcement was made by the FLSD. Is there is a fire in this building? Was the FLSD told to make the "all-clear" announcement? If so, who told the FLSD to make the "all-clear" announcement? Explain your answers.

686. During the emergency the occupants of the building who were in the Rest of the Building were told by the FLSD to In-Building Relocate. Did the occupants die? Explain your answer.

687. The FLSD conducted the Fireman's Service Elevator Recall test at the beginning of the month. He went to each Elevator Bank and recalled the elevators in Phase I with the 1620 key. He recorded his entries in the FLSD logbook at the conclusion of the test. What did the FLSD fail to do? Why was the FLSD in this building subjected to an investigation by the FDNY? Explain your answers.

688. An airborne deadly-to-humans substance was released outside by terrorists in the Times Square neighborhood in Manhattan. The FLSD activated the pressurization of the two emergency stairwells in his office building. The FLSD then informed the occupants to use Stairwell "A" to In-Building Relocate from one floor to another floor. 112 people used Stairwell "A" to In-Building Relocate. Between which streets and Avenues did this emergency happen? Did the 112 people who In-Building Relocated using Stairwell "A" make it to the re-entry floor? A minimum of how many people in the building died during this EAP emergency? What was the label identification of the other stairwell? Explain your answers.

689. An external water curtain on the walls of the building by the windows. The fire did not spread to the next floor. What type of sprinkler heads are being used in this building? Explain your answer.

690. A fire happened in an office building. On which floor(s) did the fire likely happened? Explain your answer.

691. "There were people blocking each other using each other as shields," said a witness. "I was in front of the stage . . . I was just trying to find an exit to get the hell out." Did the person quoted know the layout of the space in which he was in? What emergency happened? Where did this emergency happen? How many people died? How many people were injured? Explain your answers.

692. The FLSD was not present in the building during the business hours of the building. How did the FDNY know where the Standpipe Riser was located when there was no one available to inform them of the location of the Standpipe Riser? Was the building issued a violation order? Explain your answers.

693. A wastewater treatment plant failed because of a fire and released 15-20 million gallons of raw sewage into the Hudson River . . . leading to the closure of three beaches in Richmond County and one beach in Brooklyn. When did this fire happen? What is the name of the wastewater treatment plant where the fire happened? By what name is Richmond County also known as? Explain your answers.

694. The people collaborated as a group, acted aggressively, threw items, improvised weapons, yelled, screamed, kicked, pulled hair, punched, slapped, and committed to their actions. The person who committed the crime did not die. What emergency was happening in Times Square? What actions did the people activate? How many people survived? What happened to the person who committed the crime? Explain your answers.

695. The psychiatric floor of the hospital installed plastic protective covers over the double-action manual pull stations to keep the patients from triggering the fire alarm unnecessarily. The hospital's executive vice president of facilities management stated to the FLSD that adding the plastic covers, which have to be lifted by a person, made the manual pull stations triple-action manual pull stations. The FLSD claimed that the manual pull stations remained double-action. Who is correct: the EVP of Facilities Management or the FLSD? Why does the hospital have an FLSD working? If so, during what times is the FLSD/Deputy working in this hospital? Explain your answers.

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696. "At 12:30p I have to train the staff", the FLSD told a person in the building. The response from the person was, "Not now. We are extremely busy." Who was the FLSD speaking to? What training was the FLSD referring to? What topics was the FLSD going to cover during the training? Explain your answers.

697. February 26, 1993. Explain what happened on this date in NYC.

698. The building has Stairwell "AA". It is the last/final stairwell in the building. How many stairwells does the building have? Why is the stairwell labeled "AA"? Explain your answers.

699. The General Manager (GM) of the hotel asked the FLSD to schedule an active shooter training session for all the hotel employees for June 3. The GM also said, "I don't have money in the budget." Who did the FLSD contact to do the training? How much money was spent on the training? How much money did the FLSD spend becoming a member? Explain your answers.

700. The active shooter is outside of the building on the street. What action did the FLSD inform the occupants to activate? What did the occupants do? Barricaded, Sheltered in Place, In-Building Relocated, Partially Evacuated, Avoided, Totally Evacuated or Confronted? Explain your answer.

701. The car burnt. Why was there a delay in the FDNY putting water on the car fire in the parking garage? Explain your answer.

702. The car caught fire on the highway. There was no Standpipe System available on the highway and no water source to extinguish the car that caught on fire. Where did the FDNY find the water to extinguish the car fire on the highway? Explain your answer.

703. "Where is your receipt for those products?" In which country did this fire happen? Who asked for the receipt? How many people died? How many people were injured? Explain your answers.

704. The elevator is being operated in Independent Mode. A fire alarm is activated on a floor not serviced by the elevator. What happened with the elevator when the fire alarm activated? Explain your answer.

705. When an opening was made by the FDNY, oxygen was admitted, the hot vaporized fuel bursts into flames, and the pressurized gases exploded through the opening, resulting in a rolling fireball. What event happened? Explain your answer.

706. To prepare for the on-site exam, the candidate for FLSD could not identify the location of Stairwell A in the building. No one was available to help him identify the location of Stairwell A in the building. Which document did the FLSD candidate look at to identify the location of Stairwell A? Explain your answer.

707. On July 20, 2012, twelve people died. What was the crime? What superhero movie was playing? Explain your answers.

708. During the emergency, the FLSD reported to the designated alternative location in the building. He proceeded to \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_ the emergency. Why didn't the FLSD report to the Fire Command Center on FL-1? What are the three words that are missing? Explain your answers.

709. During the EAP emergency, the FLSD informed the people in the rest of the building to Partially Evacuate. What went wrong? Explain your answer.

710. The building has 50 construction floors, 70 marketing floors and a Cellar. The fire alarm activated on FL-70 and FL-69. On what floor was the fire? The FDNY had to go up 50 floors or 70 floors to reach the fire? How many floors numbers does this building not use? How many floors are Below Grade and how many floors does this building have Above Grade? Explain your answers.

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711. When \_\_\_\_\_ decreases, the potential for human error increases. What two words are missing? Explain your answer.

712. Peter, who holds the Certificate of Fitness G-60 for Torch Use of Flammable Gas and the F-60 for Fire Guard for Torch Operations, arrives at your building's loading dock to conduct the scheduled hot work operation in the building. The FLSD cancels the project and informs Peter that he cannot do the scheduled hot work. Peter leaves. Why did the FLSD cancel the hot work project? Explain your answer.

713. The person responsible for fire drills made the fire drill schedule, presented the schedule to his manager, who approved the schedule. The fire drill schedule stated that the fire drills will be conducted at 3a, 11a and 7p on Tuesday, June 4th. What is the title of the responsible person? What is the corporate title of the manager? What action did the responsible person take at 2:45a, 10:45a and 6:45p? What action did the responsible person take at 2:55a, at 10:55a and at 6:55p? What action happened at 3a, 11a and 7p and who conducted this action? Where were these fire drills conducted? Explain your answers.

714. On July 1, 2019, the owner of the building finished installing the sprinkler system in the building. Is this building 100 feet or more in height? When was this building built? What local law forced the owner to sprinkle the building? Explain your answers.

715. RCNY. Explain this acronym.

716. The device is dripping water. What is the name of this device, which is located between the lower Check Valve and the green Fire Department Connection on Columbus Avenue? Why is this device needed? Is this device found Above Grade Level or Below Grade Level? Explain your answers.

717. Tom, the Licensed Master Fire Suppression Piping Contractor (MFSPC) placed red tags on the green control valves on every floor of the building. What Company does Tom work for? Why did he place red tags on every floor? What system is impaired in the building? Explain your answers.

718. Security Guard Tony was informed by the FLSD to conduct the monthly quick check inspection of the portable fire extinguishers in the building. Security Guard Tony checked all the portable fire extinguishers in the corridors. He dated the tag and initialed the entry on the tag. The Chief Engineer stated to the FLSD that the person who conducts the monthly quick check inspections of the portable fire extinguishers must be a certificate of fitness holder, such as the Fire Guard F-01, and could not be conducted by Security Guard Tony. Who is correct: the FLSD or the Chief Engineer? What was wrong with the inspection of the portable fire extinguishers by Security Guard Tony? Are there Fire Guards F-01 holders in the building? Explain your answers.

719. "The controlled movement of building occupants . . . " Which concept is being implemented? Where in the building are the people located? Which Plan is being implemented? Who implemented the Plan? Explain your answers.

720. During the medical emergency, the certified person in first aid, CPR and AED, David, informed the fellow in the black shirt to call 911 and to bring him the Automated External Defibrillator (AED). When the EMTs arrived, David took the pads off of the victim to re-use them in the future. When the AED was given to David, what was the first thing that David did with the AED? What did David do that was wrong? Explain your answer.

721. The building has an Automated External Defibrillator (AED) with pads for a 4-year-old. During the course of the workday, John, 27 years old, suffers a medical emergency. The person certified by the American Red Cross, Dalton, placed the pads on John and gave John a shock to the heart to stabilize the heartbeat. What went wrong with what Dalton did with the AED? Explain your answer.

722. It's 10a on Tuesday. During the initial training of the FLS Warden, Deputy FLS Warden and FLS Male and Female Searchers on fire emergencies, the FLSD provided them with all the information they needed to know and the actions to take in the event of a fire emergency on their floor. The training then ended. The fire alarm activated and no one on the floor knew who were the people that the FLSD trained. What went wrong with the training? At what time did the training end? Explain your answers.

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723. 10 of 14 Department of Environmental Protection (DEP) wastewater treatment plants were damaged or lost power, releasing approximately 560 million gallons of untreated sewage mixed with storm water into local waterways. Floodwater contained numerous other toxic substances such as oil, household chemicals, pesticides, and industrial pollutants. This event happened on October 29, 2012. What event was this that also affected eight countries? What was its name? Explain your answers.

724. Do not touch, taste, smell, or try to identify the substance. What is the emergency? Which Plan is being activated by the FLSD? Explain your answers.

725. The Certificate of Fitness Holder was working at 3a in a mixed-use building. The building has a Comprehensive Fire Safety and Emergency Action Plan. What Certificate of Fitness does the person hold? Who are the main tenants in this building (type of use). Explain your answers.

726. During the on-site exam, the final exam to become a certificate of fitness holder F-89 (FLSD), while demonstrating his knowledge of the Fire Alarm Control Panel (FACP), the candidate failed to press one button when the fire alarm was activated on FL-20. The FLSD candidate did press the ACK and Panel Silence buttons. Which button did the candidate fail to press? When was this building built? Did the candidate fail the on-site exam? If he fails, can he re-take the on-site exam? Explain your answers.

727. It is 11a on Thursday. It is 89 Degrees Fahrenheit outside. The fire happened on FL-50. In which direction did the smoke spread? Explain your answer.

728. After the impairment of the fire suppression system was corrected and returned to normal operation, the FDNY, the owner, the central station, the insurance carrier, and the occupants in the affected areas were notified that the system was back to normal. Who contacted all these groups? Explain your answer.

729. Paul, the Fire Brigade member entered Passenger Elevator No. 1, which was not in Phase I, and placed the key switch inside the elevator on Phase II using one of the six 1620 citywide keys. He pressed the FL-20 button, the fire floor where there was an extensive smoke situation. When he closed the door and realized that FL-20 was on the fire floor, so he pressed the "Call Cancel" button. Did Paul use the correct key? Did the "Call Cancel" button cancel FL-20? What happened to Paul? Explain your answers.

730. The candidate's Certificate of Completion Z-89 expired. The candidate let it expire another year. Where is the candidate sitting now? Explain your answer.

731. The building is an office building. It has two floors above Grade and each floor is 2,500 square feet. Are there elevators in this building? Explain your answer.

732. A blind person entered FL-1 of the commercial office building with a guide dog during the business hours of the building. Security Guard Hugh stopped the blind man and informed him that building's "No Pet" policy prohibits him from bringing the dog inside the building. He escorted the blind man and his dog outside. The blind man protested his treatment. Was Security Guard Hugh correct in escorting out the blind man? Did Security Guard Hugh do his job in enforcing the building's "No Pet" policy? Did Security Guard Hugh violate any laws affecting people with disabilities? Explain your answers.

733. The hotel guest answered "Yes". What was the question that he was asked by the Front Desk Agent? Who was made aware of this guest? Explain your answers.

734. White/Red/White/Red. What disability does this person have that has him listed on the "List of People with Special Needs" in the hotel? Explain your answer.

735. The FLSD spoke during the emergency using the mic of the FACP and informed the people on FL-10 to evacuate. They evacuated laterally from one side to the other side of FL-10. In what type of building did this fire happen? Explain your answer.

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736. The building's windows on FL-32, FL-39, FL-45 and FL-52 blew out of their frames to the outside. The FLSD is informed of this crisis. Should the FLSD activate the Emergency Action Plan? What is the affected area inside the building if the glass fell out to the streets? Which action did the FLSD inform the occupants to take on FL-32, FL-39, FL-45 and FL-52? Which action did the FLSD inform the occupants to take in the rest of the building? Explain your answers.

737. The symbol is an electrical cord. What is the class of fire? Explain your answer.

738. The symbol is a frying pan. What is the class of fire? Explain your answer.

739. "Danger. Lead Acid Batteries. Corrosive Liquids (Electrolyte). Energized Electrical Circuits. No Smoking". What is the shape of this sign? Where is this sign posted? What system is installed so that the sign is posted in the area? Explain your answers.

740. The Coordinator heard the fire alarm in a 5-floor Homeless Shelter with an Interior Fire Alarm System (IFA). The Coordinator informed the Fire Guard of the fire alarm's location in Unit 402. The Fire Guard confirmed that there was no fire in Unit 402. What certificate of fitness does the Coordinator hold? What certificate of fitness does the fire guard hold? On which floor(s) did the fire alarm and the strobe lights activate? Did the Coordinator make an announcement? Who evacuated (if anyone)? Explain your answers.

741. The construction worker was found smoking and informed to stop smoking by the person in charge of fire safety at the construction site. Who informed the construction worker to stop smoking? Does this person hold a certificate of fitness? Until when will this person be working at the construction site? Explain your answers.

742. After the fire drill was completed . . . all the participants signed in. In what type of building did this fire drill happen? Who oversaw this fire drill? Who activated the fire alarm? From where did the participants return? Explain your answers.

743. It is 4a. The glass bulb shattered in this low-rise building. The Fire Alarm Control Panel has a Warden Phone. To what floor were the occupants in-building relocated? What alarm initiating device triggered the fire alarm? Who was in charge of fire safety at the time of the alarm activation? Was this building built prior to or after 1984? Did this person attend classes at Radiant? Explain your answers.

744. The fire alarm activated and the building was online with the central monitoring station. The central station operator called the building before calling FDNY. Was this fire in an office building or hotel? Exactly where was the fire? What is the name of this fire alarm system? Why did the central station operator not call the FDNY first? Explain your answers.

745. The FLSD silenced the fire alarm and reset the fire alarm system without FDNY authorization. What two conditions existed for the FLSD to be able to take these two actions? Explain your answers.

746. The pipes contract/expand, making them fragile. The FLSD called 911. What Plan did the FLSD activate? What occurred? Which floors were In-Building Relocated? Explain your answers.

747. The place of employment should be "free from recognizable hazards that are causing or likely to cause death or serious harm to employees." Which Federal law is being quoted in this statement? In what year was this law passed? Explain your answers.

748. To the FDNY: 1, to the NYPD: 3. What was issued to the FDNY and NYPD by the FLSD? Explain your answer.

749. "The Dark Knight Rises": What happened? Explain your answer.

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750. The FLSD arranged an initial staff training session to discuss fire safety. The session lasted two hours. Who was the FLSD training? Did this training session happen in an office building, homeless shelter or hotel? Does this property have non-business hours? Explain your answers.

751. Paul, the FLSD in the office building has assigned the fire drill presentations to Mark to do for the next session of fire drills. Mark does not hold a Fire and Life Safety Director Certificate of Fitness F-89. Ed, the Chief Engineer, argues with Paul and states that Mark is not authorized to assist with the fire drills. Paul says that Mark can assist with the fire drills. Who is correct: Paul or Ed? What Certificate of Fitness does Mark hold? Explain your answer.

752. All the oxygen is consumed, hot flammable gases accumulate and fill the room, the gases expand, the temperature increases, pressure pulses against doors and windows = the hot vaporized fuels bursts into flames and the pressurized gases explode, resulting in a rolling fireball. What happened? Whose lives were risked? Explain your answers.

753. 4.5 months passed. What happened? Explain your answer.

754. "When I activate the Emergency Action Plan, please make sure to execute your functions." Who is the FLSD speaking to? How many people is he speaking to? What are the corporate titles of the people he is speaking to? Explain your answers.

755. The size 10 envelope was delivered to the Messenger Center on FL-1 of the office building and had four stamps and no return address. What Plan is the FLSD readying to execute? What floor(s) is the Affected Area? What action will be executed in the Affected Area? What action will be executed in the Rest of the Building? Explain your answers.

756. Which of the following agents is of "natural origin"? Chemical, Biological or Radiological? Explain your answer.

757. When the Affected Area was identified by the \_\_\_\_\_, he/she informed those people to Shelter in Place? or In-Building Relocate? or Totally Evacuate? or Partially Evacuate? or Isolate? Explain your answer.

758. Scott, the property manager informed Paul, the FLSD that he wanted to prepare the building occupants on how to respond to an active shooter incident in the building. Scott said that he did not have a budget for this training session that he wanted to conduct for the building occupants. What did Paul say to Scott: "No problem, we'll get it done." or "We can't do it without a budget." What agency is Paul a member of and contacted? Who will be conducting the training for free? Explain your answers.

759. John, the Licensed Master Fire Suppression Piping Contractor (MFSPC) stated that he can do all the maintenance, testing and inspection of ALL the building's fire suppression systems (water-based and non-water-based). When John arrived at the building to conduct the test of the sprinkler system, Peter, the FLSD, did not let him in the building. What was John missing? Explain your answer.

760. All the elevators in the building were recalled in Phase I. What type of emergency was happening? What Plan did the FLSD activate? Explain your answers.

761. Are there windows? Are there doors? Is there access to bathrooms? Is there access to water? Are there any supplies? Is there any equipment? . . . What is being referred to here? Explain your answer.

762. There is an emergency: What provision/action will be executed by the FLSD in the Rest of the Building? Explain your answer.

763. There was an emergency and the occupants did not understand what the FLSD was saying over the public announcement system. What type of language was the FLSD using to communicate with the building occupants? Did the FLSD increase the risk to the occupants? Explain your answers.

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764. The FDNY entered the building lobby during the emergency and asked, "Who is in charge?" The Senior VP of Facilities Management stated, "I am." The FDNY asked the Senior VP of Facilities Management, "Are you the Fire and Life Safety Director?" He answered, "No." Who was the person in charge of the emergency in the building? Explain your answer.

765. The candidate received an email from FDNY. The candidate celebrated. What was attached to the email correspondence? Explain your answer.

766. The FDNY Supervisor turned the key switch on the Fire Alarm Control Panel (FACP). Was there a fire? Was the fire extinguished? Did the windows in the building open? Explain your answers.

767. The person suffered cardiac arrest and died. On what floor was the person who died from cardiac arrest? Explain your answer.

768. The property manager informed the building staff, including the FLSD, that they must become certified in First Aid/CPR/AED (Automated External Defibrillator). After becoming certified by the American Red Cross, the property manager informed EVERYONE, including the FLSD to respond to patients who are having medical issues in the building. The FLSD informed the property manager that he will not be responding to patients. The property manager threatened to fire the FLSD if he did not comply with his directions. Who is correct? The property manager or the FLSD? Explain your answer.

769. "Tom, get the AED!" Tom, a building staff member, replied, "Where is it?" What is the problem? Explain your answer.

770. The building has three entry points (addresses): The main entrance is 367 Eighth Avenue, which leads to 12 Passenger Elevators (PEs), and a side entrance at 845 West 48<sup>th</sup> Street, which leads to a Machine Room-Less Elevator (MR-L) and the other side entrance at 840 West 47<sup>th</sup> Street, which leads to Service Elevator #17 (SE). There is an active shooter on FL-27. Which entrance will the NYPD use to deal with the active shooter emergency? Explain your answer.

771. The building has an outdoor plaza that is within the building's property line. A person sits on one of the benches and proceeds to light up a cigarette. The security officer assigned to the plaza informs the person to step outside the property line and smoke or extinguish the cigarette and stay seated on the bench. The person argued that he can smoke while sitting on the bench because he is outside. The security guard says that he cannot smoke in the plaza. Who is correct? Explain your answer.

772. The sign states: "No Roller Skating, No Skateboarding, No Carts, Do Not Move the Furniture, No Sleeping, No Loud Music, No Smoking". The space is open to the public every day from 8a to 10p. What is this space called? Explain your answer.

773. Total Evacuation is the emptying of a building of all building occupants in response to an emergency. There is a minor fire and the FLSD activates a Total Evacuation of all the building occupants. Is this building a high-rise or low-rise building? Does the fire alarm system have a warden phone? Explain your answers.

774. Thomas states that he works in a mid-rise building. Thomas' building has three elevator banks which they call, the "Low-Rise Bank", the "Mid-Rise Bank" and the "High-Rise Bank." Diego, an FLSD in another property tells Thomas that he does not work in a Mid-Rise building. Who is correct? Is Thomas' building a high-rise building? Explain your answers.

775. The fire destroyed the emergency generator. The emergency lights in the means of egress in buildings that do not have emergency generators last for 90 minutes. None of the employees have cell phones. The building does not have flashlights. What system, introduced by Local Law 26 of 2004: Emergency Action Plan, was used by the office building occupants to find the stairwell doors and walk down the stairs to In-Building Relocate, Partially Evacuate or Totally Evacuate in 2009? How frequently is this system inspected? Explain your answer.

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776. Shelley said, "I'm stressed, anxious and scared" during the fire emergency. Additionally, Shelley does not understand the speed at which a fire can spread and does not know how to find the emergency stairwells. The building is overcrowded. What is Shelley suffering from? What document was ignored when the building was overcrowded? What city agency issued the document? Explain your answers.

777. Today, August 1, 2022, Patrick, the General Manager of the hotel, interviewed Pamela for the position of Fire and Life Safety Director. During the interview, Patrick stated to Pamela, "This property has a hospital on floors 1 to 12 and hotel on floors 14 to 50. You need to on-site test and acquire the Fire and Life Safety Director Certificate of Fitness F-89." Pamela stated, "that is not the case, I will be acquiring the Fire and Life Safety Director Certificate of Fitness T-89." Who is correct? How many floors does this property have above Grade? Explain your answers.

778. Brian states that he works in an "A" property built in 2018. Brian works at the DMA Concert Hall. Hank states that he works in an "A" property too, but it is not a Place of Assembly. Where does Hank work? Was Hank's building built between 1968 and 2008 or after 2008? Explain your answers.

779. The active shooter was at 300 Lexin Avenue on FL-27. The NYPD arrived four minutes after the first 911 call was made by the FLSD. The NYPD could not find the active shooter in the building. 23 minutes later, the active shooter was killed by the NYPD in another building. The active shooter did not leave 300 Lexin Avenue via the stairwells nor did he exit the building via FL-1. What critical piece of information did the FLSD fail to provide to the NYPD? Explain your answer.

780. The instructor asked the students: "During a fire, how do you know that it is safe to enter/use a stairwell when the stairwell door does not have a window?" Jennifer stated that she would open the door to see if there was any smoke/heat/fire. Sarah stated that she would check the door for heat by touching the door with the back of her hand before opening the door. The professor stated, "You are right \_\_\_\_\_." Who was correct? Explain your answer.

781. The FDNY was informed that the "fire was on the 23<sup>rd</sup> Floor, on the south side of the floor, there is a heavy smoke condition, the sprinkler system activated and John Smith is trapped in the southeast corner office." Who was informing the FDNY? On what floor was the person on when informing the FDNY? Where did the person go after informing the FDNY of the particulars of the fire condition? Explain your answers.

782. The FLSD proceeded to the \_\_\_\_\_ in the Management Office in the cellar and sent a mass e-mail to all the building occupants alerting them of the emergency. Where is the emergency likely to be occurring? Explain your answers.

783. The FLSD has a Certificate of Fitness F-89 for 209 East 43<sup>rd</sup> Street, 567 Eighth Avenue, 799 Third Avenue and 699 Queens Boulevard. All are commercial office buildings classified as Group Occupancy B in the 2008 Building Code. Is this FLSD subject to four on-site exams when he renews the four Certificates of Fitness? Explain your answer.

784. NYC Boilers, Inc. personnel finished working on the boiler at 3a and exited the building. At 4a, the FLS Building Evacuation Supervisor was found dead at the FCC in the Main Lobby. A tenant who entered the building was found dead in the Main Lobby. There were no visible signs of a break-in or any signs of any emergencies in the Main Lobby. The FACP was beeping (audio signal) and a message was on the FACP screen. What killed the two people? Why was the FACP beeping? Who discovered the two bodies? Explain your answers.

785. The device stopped the water from going into the Gravity Tank. What is the name of the device? Was the water coming down or going up? What is the name of the pipe installed vertically in the stairwell? Explain your answers.

786. Red, Orange, Yellow and Green. Explain these colors.



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787. The sign by the Fire Department Connection (FDC) stated, "Combination Automatic Sprinkler and Standpipe System." The FDC covers were painted green. The sign has black letters on a white background. What is/are the problem(s), if any? Explain your answers.

788. The FDNY responded to the building to an unnecessary/unwarranted fire alarm initiated by a manual pull station. Ten days later they responded to an unnecessary/unwarranted alarm initiated by a smoke detector. Three days later another false alarm was initiated by a manual pull station. How many Fire Department Summonses was the building issued for unnecessary/unwarranted fire alarm responses? Explain your answer.

789. During the FLSD on-site examination, the Examiner informed the candidate that there was a fire on FL-18. The candidate stated that he would 1) Immediately report to the Fire Command Center, 2) Acknowledge the fire alarm 3) Verify the device that initiated the fire alarm and what floor did the fire alarm initiated, 4) the central station operators called the FDNY Borough Dispatch Office, 5) Ensure elevators are recalled . . . and so on until he completed 21 steps. How come the candidate lost points . . . and possibly failed the Fire Scenario? Explain your answer.

790. Seven patrons died at the Blue Angel nightclub fire on December 18, 1975. What NYC Local Law (LL) was generated by this fire? Who was the LL designed to protect? What did this LL state must be present in clubs? Explain your answers.

791. The General Manager at a private club that has 100 rooms stated that the club does not need a Fire Safety and Evacuation Plan. The security guard informs the GM that a Plan is required. Who is correct? Explain your answer.

792. The FLSD candidate took the on-site exam yesterday. Today he sent an email to the FDNY to the following address: [pubcert@fdny.nyc.gov](mailto:pubcert@fdny.nyc.gov). In the email he stated his name, the last 4 digits of his SS#, the date of the on-site exam and \_\_\_\_\_. What happened that the candidate sent this email to the FDNY the day after the on-site exam? What is missing on the line? Explain your answers.

793. The Director of Security, Richard, argues that he is going to schedule two candidates to take the on-site exam at 4p on a Tuesday. Tim, the Deputy FLSD informs Richard that only one candidate is allowed to take the on-site exam at 4p on Tuesday. Who is correct? Explain your answer.

794. The new FLSD did the Stairwell Familiarization EAP Drill. He informed the participants to walk down the emergency stairwells at least three floors from their current location, as required in an in-building relocation in a fire emergency. What is the problem? When is the next Stairwell Familiarization EAP Drill? Explain your answers.

795. The Verification Letter for Fire and Life Safety Director Application was completed by the candidate's manager. The candidate then brought it to the computer-based exams at FDNY, 9 Metrotech Center, Brooklyn. The letter's content met the FDNY criteria. Why did FDNY reject the letter? Explain your answer.

796. "The purpose of the law is to make sure that people with disabilities have the same rights and opportunities as everyone else. Providing a reasonable accommodation to an individual with a disability is a central concept under the \_\_\_\_\_. What should be inserted in the blank space? Explain your answer.

797. The owner of the building installed a dummy smoke detector hidden video camera in the corridor on FL-5 to monitor the printer cartridges storage room. The FLSD informed the owner that that camera must be removed/replaced. The owner stated that it was his building and he could do "whatever the &%%\$ I want!" Who is correct? Explain your answer.

798. The car/vehicle suffered damage. Where was the car parked? Explain your answer.

799. The FLSD reported to work for the 8a to 4p shift. What did he do in the first five minutes of his shift? What did the FLSD do for the rest of his shift? Explain your answers.

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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

800. 96%. What does this number represent? Explain your answer.

801. Erick was on his way up to his office in the elevator. The elevator door opened . . . but he got out on Floor 1. What happened? Explain your answer.

802. He activated the switch that was located between 10 to 20 feet from the fire. Where was the fire? What switch was activated? Who activated the switch? What two systems were interrupted? Explain your answers.

803. During the fire Thomas broke the window and jumped out of the 47th Floor of a commercial office building. He only broke his right ankle. How come Thomas only broke an ankle after jumping out of the 47th Floor? Explain your answer.

804. The building has only a revolving door to enter/exit. The building owners were issued a violation. Why? Explain your answer.

805. The building was off-line with the central monitoring Station. Everyone in the building died. What device triggered? What caused their deaths (it was not a fire)? What signal did the FLSD disregard? Did the FDNY respond? Explain your answer.

806. The French-only-speaking guest called the Front Desk Agent (FDA) of the hotel to file a complaint that the smart television in his room stopped functioning. A message appeared on the screen in English. What was happening? Explain your answer.

807. The building placed "No Smoking" signs in Spanish: "No Fumar", because most of the building's tenants speak Spanish. Is this a violation? Explain your answer.

808. The portable fire extinguisher identification is a red square. On what type of fuel can this extinguisher be used? What is the content of this extinguisher? Explain your answers.

809. During the Independent Phase Mode of the elevators for the Emergency Action Plan (EAP) FLSD on-site exam, the candidate recalled the elevator bank in Phase I using the 2642 key. She then entered an elevator and activated Independent Mode. The elevator did not function in Independent Mode. What did the candidate fail to do? Explain your answer.

810. The building owner spent \$5,800.00 replacing the entrance doors to the property. Where did this fire happen: hotel or office building? Who was in the building when the FDNY responded to the property? At what time of the day did the fire happen? Explain your answers.

811. The Licensed Master Plumber showed up to the building to test, maintain, repair/replace the sprinkler system. Was he allowed to do the work on the sprinkler system? Explain your answer.

812. The tenant visited the Property Management Office to dispute the Rent statement for June 2019. The statement stated that the tenant owed \$14,855.00 for the June rent. However, there was another charge of \$17,458.03. What was the reason for the \$17,458.03? Was this building built before 1984? Explain your answers.

813. There is a full impairment in the entire building and no fire watch. What system is out of service? How many people are in the building? Explain your answers.

814. Gabrielle Giffords is no longer a member of the House of Representatives. Why? Explain your answer.

815. The new Vice President of Building Operations asked Kirk, the engineer, to show him his credential. Kirk showed the VP a license. He then asked George for the same document. George does not have the document. What document did Kirk show the VP? Is George an Engineer or a maintenance/handyman? Explain your answers.

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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

816. FSLDs do not inform occupants to go to the Roof as Roofs are usually a dead end, but a group of employees decided to go to the Roof to survive the fire in their building. The group of employees exited to Madison Avenue using a stairwell they had never seen or used before. The FDNY Ladder Truck could not reach the Roof. Where was the stairwell that the group of employees used? Is there an alleyway in this scenario? Was this building a high-rise or low-rise? Explain your answers.

817. The FLSD candidate received a notification from the FDNY titled "First Notice of Non-Completion". Why? How many days does the FLSD candidate have to respond to the notice? Explain your answer.

818. The FLSD candidate received his Certificate of Completion and informed his manager to schedule the on-site exam for a Friday. The manager had issues trying to schedule the on-site exam for a Friday. What happened? Explain your answer.

819. The manager attempted to schedule two candidates for their on-site exams at 4p on a Tuesday. His request was declined by the FDNY. Why? Explain your answer.

820. It is Winter. FDNY Hi-Rise Inspector Barry issued a violation order to the property for having equipment stored in the Cellar. What was the equipment? What was the violation? Explain your answers.

821. The Certificate of Completion expired on August 20, 2022. It is now August 22, 2023. What must the FLSD candidate do to get the Certificate of Fitness F-89? Explain your answer.

822. It is December 31, 1994. Four people died. One person died in the room of fire origin and three died in adjacent rooms. Why did the other three people die? Explain your answer.

823. It's January 5, 2015, and the building is a high-rise. What system has been installed in this building to identify, locate, and track first responders within indoor building environments? Explain your answer.

824. The Impairment Coordinator called 718-430-0200. What was happening in his commercial office building? In which borough was this impairment happening? What was impaired? Explain your answers.

825. 127. Hotel Sofitel. Redwood City. Explain these concepts.

826. 1992. 63 dead. 2,000 injured. \$1 Billion. Explain these concepts.

827. The Moxy Hotel Downtown has a fire alarm system with a mic, but no Warden Phone. The property is a high-rise with a Selective Fire Alarm System (fire alarm activates on three floors only). Does this property require FLSDs? Explain your answer.

828. OATH. Explain this concept.

829. The FDNY suspended the fire and EAP drills during the COVID-19 Pandemic because the world was practicing social distancing. The FLSD stated that the suspension of the fire and EAP drills ended on May 1, 2023. The Property Manager stated that the suspension ended on June 1, 2023, and the Chief Engineer stated that the suspension ended on March 1, 2023. Who is correct? Explain your answer.

830. The VP asked, "Which NYC agency is responsible for Structural Building Re-Occupancy?" The FLSD stated: Department of Design and Construction (DCC). The Director of Security stated: Department of Sanitation (DSNY). The Assistant Director of Security stated: Department of Buildings (DOB). Who is correct? Explain your answer.

831. The FLSD provided the Incident Commander (IC) with the following items: Floor plans • FDNY Plan • Elevator and stair diagrams • Elevator keys • Master keys/Access cards and Premises security radios/walkie-talkies. What did the FLSD forget to provide to the IC? Explain your answer.

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

832. The area(s) that may be in close proximity to the threat/incident and experience the immediate impact of the threat/incident. What is the name of this area when the Emergency Action Plan (EAP) is activated by the FLSD? Explain your answer.

833. The hotel operation requires space to function. The Director of Housekeeping decides to leave linen bins in the corridors in the Cellar because there is no space to put the linen bins. The General Manager (GM) of the hotel is "OK" with the linen bins being in the corridors. The FLSD informs them that having linen bins in the corridors is a fire safety violation because occupants will be restricted in reaching the stairwells in the event of a fire. Is the FLSD correct or is the GM correct? Did FDNY issue a Violation Order? Explain your answers.

834. The FLSD is watching the movie "Changing Lanes" with Ben Affleck and Samuel L. Jackson. Mr. Affleck's character places a lighter to a sprinkler head and all the sprinkler heads in the entire office building fused (activated). All the occupants are wet. What is the problem? Explain your answer.

835. Pressurized Stairwell A failed and allowed smoke to spread into the stairwell. What happened in Stairwell A that allowed the smoke to spread into it? Did the people in Stairwell A survive? Explain your answers.

836. Curtain Wall. Explain this concept.

837. An FLSD was passing by a building under construction and saw the construction crew covering the building's steel beams and columns with sprayed-on material. What was it that was being sprayed on the steel? Explain your answer.

838. The building height is 675 feet. All the occupants walked 676 feet. What was happening in the building? Where did they go? What official NYC Department of Buildings document states that the building is 675 feet in height? Explain your answers.

839. The building is 7 floors in height. He picked up Kris, then Kim, then Klohe, then Kourtney, then Kendall and then Kylie. They all evacuated the building. Who picked them up? What elevator was used? Why did he pick up Kris first? What type of emergency was happening in the building? Does the building have Warden Phones? What floor was Kris on? What floor was Kylie on? Explain your answers.

840. The FLSD informed the occupants to Shelter in Place. In what area of the building were these people located? Explain your answer.

841. The shooter shot the FLSD in the chest multiple times. The Director of Security, who carries a firearm, shoots, and kills the active shooter in the lobby of 318 Park Avenue. The FLSD survived. How did the FLSD survive if he was shot multiple times in the chest? Explain your answer.

842. An active shooter incident is happening in the building. The NYPD responds to the building. The Director of Security (DOS) has a firearm. The DOS states that he is in charge of the emergency. The NYPD officer who first entered the building states that she is in charge of the emergency. Who is in charge of the emergency: the DOS or the responding officer? Explain your answers.

843. The person's hands were above his head and his fingers spread apart. What is happening and what is this person doing? Explain your answers.

844. It is 3a. They met for one hour and for another hour three months later. Who met? How many people met? Is this property a homeless shelter (R-1) or hotel (R-1)? Explain your answers.

845. The fire drill signal activated unexpectedly. A collective sigh of "not again!" was experienced by all the participants. They evacuated to the Assembly Area. Where was this drill being conducted? Explain your answer.

846. The building is sprinkled. There are 24 spare sprinkler heads at the Fire Command Center (FCC). How many sprinkler heads are there in the building? Are the spare sprinkler heads at the correct location in the building? How many wrenches are there in stock? Explain your answers.

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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

847. The FLSD states that there is a water-based fire extinguishing system in the computer room on Floor 8. The Chief Engineer, who also holds a Fire and Life Safety Director Certificate of Fitness F-89, states that that is impossible. Water and computers are a "bad mix", said the Chief Engineer. Who is correct? What type of fire extinguishing system was installed in the Computer Room? Explain your answers.

848. The New York City Fire Code requires the testing of the emergency generator be conducted every month for 30 minutes under the supervision of a person having a qualification: Peter, who holds a Certificate of Fitness as a Fire and Life Safety Director F-89 says, "I can do the test." Charles, who holds a Q-01 Certificate of Qualification says, "I can do the test." Brian, who holds a high-pressure boiler operating engineer's license, says, "I can do the test." Of the three, who is authorized to do the test of the emergency generator? Explain your answer.

849. He displayed his Certificate of Fitness to the FLSD. He was in the building one year ago. He has 37 tags. Who is this person? Why is he in the building today? Why does he have 37 tags? Explain your answers.

850. FDNY Inspector James Smith has been assigned to report to the building on September 22. He shows up between 10a-12p. What is happening? Explain your answer.

851. The Fire Guard traveled 30 feet and grabbed the portable fire extinguisher to extinguish the fire. Who caused the fire? What Certificate of Fitness does the Fire Guard possess? Why did he travel 30 feet to get the portable fire extinguisher? Explain your answers.

852. James ran more than 10 feet, but not more than 20 feet. He pulled the switch. Was there a fire? If yes, where was the fire? What is the name of the switch he activated? Who was in that space within the past six months? Explain your answers.

853. A First Aid/CPR/AED American Red Cross certified FLSD witnesses a person collapse while the person was heading out of the building. What is the first action the FLSD should take to address this medical emergency? Explain your answer.

854. A Lithium-Ion battery on a scooter that an employee rode to the building and stored inside the building caught on fire. A Fire Brigade member took control of a water-based Portable Fire Extinguisher to use it against the Lithium-Ion battery fire. The FLSD informed the FLS Brigade member that the water extinguisher would not work on a Lithium-Ion battery fire. The FLS Brigade member said that it would work. Who is correct . . . the FLSD or the FLS Brigade member? Explain your answer.

855. He left and will return next year. His name was removed from the list. What building did the person leave? From what list was his name removed? Will his name re-appear on the list next year? Explain your answers.

856. Jeff, the FLSD quit in good terms after working at 310 Park Avenue for 13 years. He surrendered his FLSD Certificate of Fitness F-89 to the FDNY. He went to work at another property and did not take the FLSD on-site exam there before he quit that job two weeks later. He returned to work at 310 Park Avenue. Did Jeff have to take another on-site exam when he returned to work at 310 Park Avenue? or, did Jeff just reinstated his original F-89 without having to retake the on-site exam? Explain your answer.

857. The FLSD called 718-430-0200. Why did the FLSD call this number? In which borough is the building located? Explain your answers.

858. The building had a severe impairment of a fire suppression system. Once the impairment ended and the system was returned to normal operations, the Licensed Master Fire Suppression Piping Contractor (MFSPC) removed the tags from every floor's green handwheel. What was the color of the tags? Which fire suppression system was impaired? What color disc did he remove from the \_\_\_\_\_ [color] Fire Department Connections? Explain your answers.

859. The natural gas shut off. In what part of the commercial office building was the fire located? What system was activated to extinguish the fire? Explain your answers.

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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

860. 300/500. Where did the fire happen? Explain your answer.

861. At the Station Night Club fire in 2003, in West Warwick, RI . . . 100 people died. What was the **primary** issue that allowed the fire to spread and destroy the club? Name three other factors that contributed to the fire spreading and killing 100 people? Explain your answers.

862. The FLSD candidate used the 2642 key and recalled the elevators in Phase I, placed Passenger Elevator No. 1 on Independent/Manual Mode. The examiner asked him to go to Floor 15. The candidate pressed button number "15". The elevator did NOT operate on Independent/Manual Mode. What went wrong? Explain your answer.

863. The tenant was able to confront the active shooter and rendered him unconscious after hitting the shooter with a chair. He grabbed the shooter's handgun. Why was the tenant killed? Who killed the tenant? Explain your answers.

864. On November 14th, the FLSD candidate filed a complaint with the FDNY. The FLSD candidate felt that the FLSD On-Site Exam was not administered fairly. When was the FLSD On-Site Exam administered? Explain your answer.

865. Brian is a Licensed Master Plumber: Is Brian authorized to do visual inspections of the one-zone Standpipe System? Explain your answer.

866. The FLSD candidate, during his familiarization of the building training, stated to the Chief Engineer that he saw the Stem, therefore the valve was closed. The building's FLSD, Peter, agreed. The Chief Engineer shook his head. Who is correct: Are the FLSD candidate and the FLSD correct or is the Chief Engineer correct? Which valve is being referred to? Explain your answers.

867. The FLSD informed Tom, a security guard, to patrol floors 2 and 3, comprising of 37,000 square feet. What is happening? What is the problem? Why is a security guard patrolling floors 2 and 3? Does Tom have a certificate of fitness? Explain your answers.

868. The commercial office building has 51 floors Above Grade and no floors Below Grade. There are no tenants on FL-1. The building's business hours are from 8a to 12a. Each floor is 8,000 square feet. There are two men's room and two ladies' rooms on each floor (FL-2 to FL-51). How many hats (identifying apparel) did the FLSD purchase for the entire fire safety team? \_\_\_\_ hats for the FLSD/\_\_\_\_ hats for the Deputy FLSD/\_\_\_\_ hats for the FLS Building Evacuation Supervisor/\_\_\_\_ hats for the FLS Wardens/\_\_\_\_ hats for the Deputy FLS Wardens/\_\_\_\_ hats for the FLS Male Searchers/\_\_\_\_ hats for the FLS Female Searchers/\_\_\_\_ hats for the FLS Brigade. Explain your answers.

869. The new FLSD in the building, George, in his familiarization of the new property, found four 1620 keys at the Fire Command Center. George called Otis, the elevator company and requested an additional two 1620 keys to have the complete set of six keys as required by the Fire Code/RCNY. What is the problem? Explain your answer.

870. The FLSD provided the FDNY Inspector with an affidavit stating a unique ID number. The Inspector went to the curtain in the lobby and compared the number on the affidavit to the number on the curtain. What is he doing? Where is the Company located? Explain your answers.

871. The EXIT sign with a right-pointing arrow was posted in the corridor on the 10<sup>th</sup> floor indicating to go right to find a stairwell. The sign letters are red, the background is white, the letters are seven inches high and one inch wide. There was no other wording on the sign. The FDNY inspector issued a violation order to the property management team. What was wrong with the sign that led to the issuance of a violation order? Explain your answer.

872. (1) The activation of an automatic alarm initiating device, (2) when elevators recall in Phase I and (3) manually operated from the Fire Alarm Control Panel by the FLSD. What action is being referred to when any of these three systems are activated? Explain your answer.

873. "No Re-Entry on this Floor, Nearest Re-Entry on the 20th and \_\_\_\_ floors." The building is 40 floors in height with re-entry every four floors. The sign is posted on the Stairwell B door on Floor 21. What number belongs in the blank space? On which side of the door is the sign posted? Explain your answers.

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SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

874. 755 people are allowed to be in the event space on the 35<sup>th</sup> Floor. The Director of Security, who is also a Deputy FLSD, and the Property Manager argue about which document the number "755" originated. The DOS/FLSD argues that the number originates from the Comprehensive Fire Safety and Emergency Action Plan and the Property Manager argues that the number originates from the Certificate of Occupancy. Who is correct? Explain your answer.

875. The building was constructed in 1962. During the fire drills presentation, the FLSD informed the tenants to ALWAYS use Stairwell C. What design style is Stairwell C? Why should Stairwell C ALWAYS be used by the tenants to Partially Evacuate, Totally Evacuate, or In-Building Relocate? Explain your answers.

876. The fire drill was conducted and the participants, none of whom were wearing a suit/tie, evacuated to the Muster Point. Who conducted this fire drill? What was the stage of the building (being built or built)? What is the Muster Point? Explain your answers.

877. He did not sign in, but the FLSD saw him come into the commercial office building. The FLSD contacted the individual and asked him . . . "Are you in the building?" He said "no." He stated that he arrived at the building and left 10 minutes later. Who is this person that failed to sign in? Explain your answer.

878. The student taking the Fire Emergency course stated to the instructor that his FLSD On-Site Exam would be in a hotel (Group R-1), therefore his FLSD On-Site Exam would only cover the Fire Emergency and he will receive a T-89 . . . hence he did not have to attend the EAP/Non-Fire Emergency Course and the Active Shooter/Medical Emergency Preparedness Course. The instructor informed the student that he must attend all three courses even if he will be working in a hotel. Who is correct . . . the student or the instructor? Explain your answer.

879. The hotel, built in 1983, has 400 guest rooms. The hotel does not have Americans with Disabilities Act (ADA) guest rooms. How many portable smoke detectors of both audible and visual design must there be at the Front Desk to issue to guests with disabilities? Explain your answer.

880. The landlord had to sprinkler his building by July 1, 2019. The building was constructed in 1978. Which Local Law forced the landlord to provide sprinkler protection to the building? How many years was the landlord given by the City to sprinkler the building? What is the height of the building? Explain your answers.

881. David, the building's Deputy FLSD stated, "I do not have to wait for the FDNY to silence **this** fire alarm and to reset the Fire Alarm Control Panel (FACP)." The Chief Engineer, Jim, who is also a Deputy FLSD, stated, "Yes you do. You have to wait for the FDNY to inform you to silence **this** fire alarm and reset the FACP." Who is correct: David or Jim? What two conditions are happening which led David to say, "I do not have to wait for the FDNY to silence **this** fire alarm and to reset the Fire Alarm Control Panel (FACP)"? Explain your answers.

882. \_\_\_\_\_ must be maintained at all times, without obstruction by fences, posts, brushes, trees, rubbish containers, vehicles, walls or other objects. Obstructions may hamper FDNY response. What is being referred to in this scenario? What do the colors represent? Explain your answers.

883. The Licensed Master Plumber, who works for Acme Sprinklers and Standpipes, LLC, the contractor, showed to the building after being called by the owner-representative. What is the main use of the building? Explain your answer.

884. Dalton, the elevator starter, stated that when he runs Service Elevator No. 17 on Independent/Manual Mode, he will have control of the elevator even if the elevator goes into Phase I Elevator Recall. Thomas, the porter, stated that Independent/Manual mode will be overridden by Phase I, and the elevator will recall to Floor 1. Who is correct . . . Dalton or Thomas? Explain your answer.

885. The Certificate of Occupancy (COO) classifies Floors 1-20 as Group R-1 and Floors 21-45 as Group R-2, Floor 46 is classified as Group A. Which floors will the candidate for FLSD be tested on? Explain your answer.

886. The device point number is 68290242. The fire is on Floor 10. Which alarm-initiating device triggered the fire alarm on Floor 10? What is the height of the building in feet? Explain your answers.

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## PROTECTING YOU THROUGH EDUCATION

SECURITY LICENSE | FIRE AND LIFE SAFETY DIRECTOR | RSOE Q-01  
FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

887. They were pointing to it in the main lobby of the hotel (Group R-1). "This is an active barrier!", said Hugh, the FLSD. "It is not, it is a passive barrier!", said Brian, the porter. What are they referring to when they say, "active/passive barrier"? Who is correct . . . Hugh or Brian? Explain your answer.

888. The FLSD did not release the fail-safe locks on the stairwell's re-entry floors. The active shooter entered Stairwell C and started murdering the people in the stairwell. The 17 people who survived discharged Stairwell C on which floor? On which floor did the people in Stairwells A and B discharge the stairwells? Explain your answers.

889. One Building: One red Fire Department Connection (FDC) and the outside sign states: Service Floors 40 to 70. Another red FDC and the sign states: Service Floors Cellar to 39. What type of Standpipe System does this building have? Is this building a high-rise? Where is one Gravity Tank located in this building? What is the Certificate of Fitness that the people hold? Explain your answers.

890. The Gravity Tank on the Roof that services the Standpipe System is being refilled daily by the fill pump in the Cellar. Why? Explain your answer.

891. The business hours of the building are Monday to Friday from 7a to 5p. The client renting Event Floor 35 requests that a drape be placed over the emergency exit door on FL-35. The client is paying \$87,000.00 for the event, which is scheduled for tonight, Saturday from 6p to 12a. George, the Deputy FLSD said, "Sure." Ben, the FLS Building Evacuation Supervisor said to George, "No. You cannot block the emergency exit door." George said, "It's OK. It's just for six hours." Who is correct . . . George or Ben? Why are both George and Ben working the event on a Saturday? How many people are attending the event? Explain your answers.

892. The sign stated: "In case of fire, use stairs unless instructed otherwise." When was the building constructed? What is the matter with this sign? Explain your answers.

893. The fire safety team member told the firefighters: "There is a lot of smoke. The sprinkler system activated. The fire is on the south side of the floor. Everyone has left the fire floor." What is this person's title? Where in the building is this person located when he exchanged this information with the firefighters? Explain your answers.

894. The two candidates for FLSD were arguing about the smoke detectors in the elevator vestibules on all the floors. Tom argued that because the building has cross-over smoke detectors (two smoke detectors in the elevator vestibules), that the fire alarm would activate when one smoke detector detects the presence of smoke. Peter, the other candidate for FLSD, disagreed and stated that both detectors must detect the presence of smoke for the fire alarm to activate. Who is correct? Explain your answer.

895. The FLSD called 718-494-4296. Where is the fire? Explain your answer.

896. The Certificate of Occupancy is dated August 3, 2016. Besides the eye-level signs indicating the room numbers on the doors, what other sign must all the guest room doors in the hotel (Group R-1) have installed on them? Why? Explain your answers.

897. The contractors doing the work in the residential building (Group R-2), mistakenly removed the exterior fire escape when they misread the paperwork. What happened to the residential building after the fire escape was mistakenly removed? Which city agency was involved in the final decision? Explain your answers.

898. VRLA. What is this acronym? What systems does the building have if there is a sign reading "VRLA"? Explain your answer.

899. "The fire extinguishing system must be activated prior to using a portable fire extinguisher." Where is this sign posted? How far away is the portable fire extinguisher? Explain your answers.

900. In this occupancy, 39% of fires happen between FL-2 and FL-6. What is the occupancy? Explain your answer.



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901. The contractor installed the device eight feet from the system that it protects. The contractor stated that "eight feet away was fine." The Chief Engineer informed the contractor that it must be at least 10 feet away. Who is correct: the contractor or the chief engineer? Which device are they referring to? What system is being protected? Explain your answers.

902. The Gravity Tank contains a total of 25,000 gallons of water. 15,000 gallons are reserved for fires. The building has a multi-zone standpipe system. What purpose do the remaining 10,000 gallons of water serve? Who is working at all times in this building? Explain your answers.

903. It's 1960. The fire happened in an apartment building and the person ran out of the building and activated the fire alarm pull box on the corner. How did the person know in which direction to go to find and activate the fire alarm pull box? Explain your answer.

904. The Fire Guard holding the Certificate of Fitness F-01 for Impairment was informed by the Impairment Coordinator of the building to do security work after conducting his hourly patrols. The Fire Guard refused to do security work as he was conducting Fire Guard work for the building. Who is correct: The Impairment Coordinator or the Fire Guard? Explain your answer.

905. Paul, the torch operator, arrived to do the work in the building. He holds the Certificates of Fitness G-60 for Torch Use of Flammable Gas and the F-60 Fire Guard for Torch Operations. Both certificates of fitness are legitimate. The FLSD informed Paul that he could not do the project. Why did the FLSD prevent Paul from conducting the hot work using flammable gases? Explain your answer.

906. The Lithium-Ion batteries were being charged for seven different devices. The room where they were charging has a completely sealed concrete ceiling, floor, and walls. The room was sprinkled. The door to the room did not have a closer. What are the problems? Explain your answers.

907. The FLSD candidate attended and passed the Radiant Fire Emergency course. He received his School Diploma. He then attempted to register for the 120-question Fire Emergency N-85 test but the FDNY prevented him from taking the exam. What went wrong? Explain your answer.

908. Richard, a visitor, brought his emotional-support canine (dog) to the commercial office building. George, the security guard, informed Richard that even though it was an emotional-support canine, he could not bring the canine into the building because it looked "mean" and might frighten tenants and other visitors. Richard told George that he must let him into the building with the emotional-support canine. Who is correct, Richard or George? Explain your answer.

909. The FDNY arrived at the building and the FLSD informed the Battalion Chief (BC) NOT to go to FL-20, where a manual pull station was activated. What was happening on FL-20 that the FLSD informed the BC not to dispatch the fire fighters to FL-20? Explain your answer.

910. The FLSD candidate was confused as to why he was going to receive a Temporary T-89 Certificate of Fitness Fire and Life Safety Director. Which plan was approved for the property: Fire Safety and Evacuation Plan or Comprehensive Fire Safety and Emergency Action Plan? Explain your answer.

911. The FDNY arrived at the building fire. How did the FDNY know that the fire hydrant nearest to the building was not functioning? Explain your answer.

912. The Sprinkler System sign had white letters on a red background. Was this sign found inside or outside the building? What material was used to make the sign? Explain your answers.

913. Fire Safety Personnel are working. Where are they working? What is their primary objective? Explain your answers.

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914. 100 pounds of Freon was delivered to the building and it was recorded in the logbook. Who made the recording: Jim, the engineer? Thomas, who holds a Certificate of Qualification Q-01: Refrigerating System Operating Engineer? or Anthony, the Certificate of Fitness holder Fire and Life Safety Director F-89? Explain your answer.

915. Timothy, the FLSD candidate, took the Comprehensive FLSD on-site exam at 4p on Thursday. When Scott, the property manager, received the invoice from FDNY, it stated that the building owed "\$915.00" for the Comprehensive FLSD on-site exam. Scott argued with the FDNY that the invoice should have been "\$750.00", and not "\$915.00." Who is correct: Scott or the FDNY? Explain your answer.

916. The Fire Alarm Control Panel's (FACP) fire alarm tone had to be manually activated by the FLSD in the office building located at 566 10<sup>th</sup> Avenue. The FACP does not have a microphone (MIC). What time of fire alarm system exists in this building? Why is an FLSD required to be in the building during the building's business hours? Explain your answers.

917. The width of the road is 10 feet. Are the buildings on this road sprinkled? Explain your answer.

918. James, the trapped person called for help during the fire and stated, "I'm in the exit access on the 37<sup>th</sup> floor!" Moments later he was found dead by the FDNY. In which part of the 37<sup>th</sup> floor did they find James? Who found him? Explain your answers.

919. The building occupants used Stairwell B, which discharges to 24<sup>th</sup> Street. The fire alarm, activated by a smoke detector, forced over 200 people to use Stairwell B. The leader of the evacuation pushed the panic bar on the door that discharges to 24<sup>th</sup> Street (or public way). The door did not swing open. Eight people were found dead inside the door. What went wrong? Explain your answer.

920. The FLSD and the Deputy FLSD were looking at the Lever House Building on Park Avenue and 53<sup>rd</sup> Street. The FLSD stated that the building has a non-load bearing exterior. What was used to create the exterior wall of the building? Explain your answer.

921. Peter is inside a property classified Group R-2. Is Peter in a hotel, homeless shelter or office building? Explain your answer.

922. Copy machine toners are being stolen from the 12<sup>th</sup> floor Copy Room in a commercial office building. The Director of Security (DOS) installs a camera in the corridor that has the appearance of a smoke detector to catch the person who is stealing the toners. The FLSD informs the DOS that the installation of a camera that appears to be a smoke detector is unlawful. The DOS disagrees. Who is correct? Explain your answer.

923. During a test of a manual pull station, the building engineer complained that the activation of the pull station shut down the HVAC fans when it was 95 degrees Fahrenheit outside. Is the engineer correct? Explain your answer.

924. The FLSD F-89 holder states that his certificate authorizes him to "program, service, clean, test, repair and/or replace fire alarm components". The FLS Building Evacuation Supervisor (BES) states that HE can do those tasks as well. Who is correct? Explain your answer.

925. Jockey Pumps. Explain this concept.

926. The valve is open when the indicator is in line with the direction of the pipe (vertical). What valve is being referred to in this statement? Explain your answer.

927. When the candidate went to FDNY Headquarters at 9 Metrotech Center, and entered the Examination Room, the clerk in the room did not give the candidate the Frequency Charts. The candidate will attend a class and will work in an occupied building. What certificate of fitness exam is the candidate taking? Explain your answer.

928. The Licensed Master Plumber showed up at the property. Was the property a hotel (R-1), Commercial Office Building (B) or Residential Building (R-2). Upon his arrival, who greeted the Master Plumber? Explain your answer.

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929. The 9<sup>th</sup> floor has a drop-down artificial ceiling. The ceiling is painted blue. What type of sprinkler heads are in use . . . uprights or pendants? What color are the cover plates? What is the name of the space between the actual ceiling and the artificial ceiling? Explain your answers.

930. The building has **one** sprinkler head that fuse at 130 degrees Fahrenheit and **one** that fuses at 150 degrees Fahrenheit. How many spare sprinkler heads are there in this building? The Chief Engineer stated, "six". The FLSD stated, "two". The Master Fire Suppression Piping Contractor (MFSPC) stated, "Twelve". Who is correct? Explain your answer.

931. The building owners placed gates and barriers around the building. The FDNY arrived in response to a fire emergency. How did the FDNY access the building when there was no one in the building to give them access? Explain your answer.

932. Certificate of Occupancy (COO): Occupancy Load: 580. The FDNY arrives at the night club and asks the security Bouncer for the Counter ("clicker") being used to count the number of patrons in the club. The Counter states 580. The FDNY enters the club and immediately knows that there are more than 580 people inside the club. Why was the club gathering terminated by the FDNY? Explain your answer.

933. The FLSD is working because there is an event on the 35<sup>th</sup> Floor, where there are 560 guests. He goes to the 35<sup>th</sup> Floor and cannot find the EXIT doors. What is the problem? What did the FLSD do to correct the problem? Explain your answers.

934. "IN CASE OF FIRE, USE STAIRS UNLESS OTHERWISE INSTRUCTED." Between what years was this building built? "Otherwise Instructed" by whom? What is the distance between the floor and the top of the sign on the wall? Explain your answers.

935. The Emergency Generator was tested on February 1 for 30 minutes by the Master Fire Suppression Piping Contractor (MFSPC). The Property Manager stated that the MFSPC should not have conducted the generator test. The FLSD stated that the MFSPC is authorized to conduct the generator test. Who is correct? Explain your answer.

936. The temperature of the water was 37 degrees Fahrenheit. What water is being referred to in this statement? Which company did the FLSD call? Who showed up to the building? Explain your answers.

937. One of the covers on the Fire Department Connection (FDC) was painted red and the other cover on the same FDC was painted yellow. The handwheels on the control valves inside the building are painted yellow to indicate that the building does in fact have a combination sprinkler/standpipe system. What is the problem? Explain your answer.

938. "Ventilation systems in the floors of tall buildings used to maintain tenable conditions in the common escape routes in the event of a fire in the building." What is being referred to in this statement? Explain your answer.

939. The building is a low rise and the total gross area of the building is 110,000 square feet. The Director of Security (DOS) states that the building needs an emergency generator. The FLSD states that it does not because it is a low-rise building. Who is correct: The DOS or the FLSD? Explain your answer.

940. Under the 1994 Clean Air Act, \_\_\_\_\_ and \_\_\_\_\_ have been banned in the United States (cannot be produced or imported) because they are harmful to the Earth's stratospheric ozone layer. What fire extinguishing system is being referred to in the statement? Explain your answer.

941. On the label, the gasoline container diagram and the electrical cord diagram are crossed out. What type of portable fire extinguisher is this extinguisher? What is the color of the container? Explain your answers.

942. There were two hot work operations projects happening today on different floors at 10a. There were two torch operators and four fire guards holding the certificate of fitness F-60 for fire watch during hot work operations. Where in the building are the hot work projects taking place? Explain your answers.

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

943. There is a loss of electricity in the building. The FLSD activates the Emergency Action Plan (EAP). The FLSD informs the building occupants that an emergency total evacuation is necessary because people's lives are at risk of injury and/or death. Was the FLSD supposed to activate the EAP? Was the FLSD correct in ordering a Total Evacuation of the building? Explain your answers.

944. The vertical lines are blue and green. What diagram of the Building Information Card (BIC) is the FLSD observing? Explain your answer.

945. The building will be undergoing construction on FL-27 beginning this morning, from February 5th to March 20<sup>th</sup>. The FLSD made an official written entry in which box of the Building Information Card (BIC)? Explain your answer.

946. The FLSD discarded the Emergency Action Plan program records after three (3) years. The FLS Building Evacuation Supervisor (BES) informed him that he has to keep the records for at least four (4) years. Who is correct? What is the starting date to discard records? Explain your answers.

947. On the On-Site Exam, the Examiner asked the FLSD candidate to name the location of the two Assembly Areas. The FLSD candidate only studied the Building Information Card (BIC). Did the FLSD candidate lose points on the test? Explain your answer.

948. The Certificate of Qualification Q-01 Holder for Refrigeration System Operating Engineer (RSOE) tested the waterflow switches from FL-90 to FL-Cellar. The FLSD stated that the RSOE is not authorized to test the sprinkler system's waterflow switches. The Q-01 holder stated that he is authorized to test the waterflow switches. Who is correct? Explain your answer.

949. Occupancy Loading. Explain this concept.

950. Emergency Planning and Preparedness Unit (EPPU) of the Bureau of Fire Prevention. Explain this unit's function.

951. It is July 1, 2004. Emergency Action Plan: Local Law 26 of 2004 states that the owner of the building has 15 years to complete a project in that building. What must be done within 15 years (by July 1, 2019)? How tall is the building? Explain your answers.

952. According to Tom, the FLSD, the 2014 Code states that the FLSD is the responsible person for the execution of the Residential Fire Safety Guides and Notices at their property: 380 Wash Street. Peter, the Building Evacuation Supervisor (BES) stated that Tom is incorrect. Who is correct? Are there Residential Fire Safety Guides and Notices in Group B and Group R-1 properties? What is the building use of 380 Wash Street? Explain your answers.

952. In December 1975, the Blue Angel Night Club fire on East 54<sup>th</sup> Street in Manhattan killed seven people and injured six people. What Local Law was introduced in 1978 affecting places of assembly? Explain your answer.

953. Brian, the FLSD candidate stated the following during the On-site Exam: "Stairwell A is on the south side of the building, it services FL-1 to Roof, it has re-entry floors on 4, 8, 12, 16, 20, 24, 28 and 32, has photoluminescent markings, it is a Return Type of stairwell, it has a Standpipe Riser, has emergency lights, it is pressurized and discharges to 54<sup>th</sup> Street." Tony, the second FLSD candidate taking the On-site Exam stated: "We have a stairwell." Who passed the On-site Exam? At what time was this On-site Exam administered? Explain your answers.

954. The building conducted the fire drills ONLY using the public address system, and the tenants stayed in their office space and did not group at the In-Building Relocation Area (IBRA). What was happening in New York City that this fire drill was not "live"? Explain your answer.

955. The FLSD realized on September 25<sup>th</sup> that he did not inspect the fire extinguishers when he was supposed to on September 1<sup>st</sup>. On 9/25 he went to every portable fire extinguisher in the building and dated and signed the tags: "9/1/23 . . . JD". FDNY Inspector Thomas showed up on 9/26 for the annual inspection of the FLSD. Is the FLSD in violation of the Rules of the Fire Department of the City of New York and the Fire Code? Did Inspector Thomas issue the

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FIRE SAFETY COORD | FIRE SAFETY & EAP PLANS | CPR/AED

building owners a violation relative to the portable fire extinguishers? Was it correct for the FLSD to write his initials: "JD" instead of signing the tag: "*John Dillon*"? Explain your answers.

956. Who is the person who conducts an "essential service for the employer in which there is a compelling public interest in maintaining even in the event of an emergency"? Explain your answer.

957. The FLS Fire Brigade member stated that the principle behind fire prevention is to keep oxygen away from fuel. Is he correct? Explain your answer.

958. The fire consumes the available fuel; temperatures decrease and the fire gets less intense. At what Stage is this fire at? Explain your answer.

959. The Searcher stated that, "the Sun can be a source of fire, igniting internal objects in buildings with glass curtain walls." Is he correct? Explain your answer.

960. In the classroom at the FDNY Academy on Randall's Island, the instructor stated, "visible flames disappear, solid fuels smolder and hot flammable gases accumulate and fill the room. The temperature increases, gases expand, and pressure builds. If an opening is made to admit Oxygen, the hot vaporized fuel bursts into flames, and the pressurized gases explode through the opening, resulting in a rolling fireball." What is the FDNY instructor referring to in this statement? Explain your answer.

961. Rollover, Flashover, Backdraft. Is this the correct order relative to fire behavior and dangers associated with structural fires? Explain your answer.

962. A sheet of paper catches on fire. The FLSD is able to stomp it and extinguish it within two seconds. The building is on-line. Is the FLSD activating the Central Station (Office) Trip Switch (aka the "Silent Trip Switch") on the Fire Alarm Control Panel (FACP)? Explain your answer.

963. The FLS Building Evacuation Supervisor (BES) was working. During the fire alarm activation, he picked up the Warden Phone at the Fire Alarm Control Panel (FACP) and called the 44<sup>th</sup> Floor, where the alarm initiated. Who did the BES speak to on FL-44? Is this a hotel or Commercial Office Building? Explain your answers.

964. Jerry works for the sprinkler/standpipe company and he can do all the maintenance, inspections, tests, configuration . . . everything . . . with sprinklers and standpipes. What license does he possess? Does he hold certificates of fitness? Explain your answers.

965. Total Head. Explain this concept.

966. Water is dripping from the Automatic Ball Drip Valve. The Check Valve is not damaged. The local firehouse trucks are nowhere near the building. Why is water dripping from the Automatic Ball Drip Valve? Who is in the building, but does not work for the building nor is he a contractor of the building? When was the last time this person visited the building? Explain your answers.

967. The FDNY responded to a fire alarm. Before getting off the truck, the FLSD informed the FDNY Captain that it was a false alarm. The FDNY continued down the road and returned to the firehouse. Was this the proper procedure for the FDNY? Explain your answer.

968. The FLSD is looking for the Central Station Transmitter Box in the building. He checked the Fire Pump Room, the Emergency Generator Room, the Mechanical Equipment Room (MER), the Elevator Machine Room (EMR) and the Sprinkler Room. In which room did he find the Central Station Transmitter Box? Explain your answer.

969. What occupancy group is the following: " . . . occupied for transacting business, for rendering professional services, or for performing other commercial services that may incidentally involve the storage of limited quantities of stocks or goods for office use . . . and for prosecuting public or civic services." Explain your answer.

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970. The FLSD informed the contractor that he could not install that item in the means of egress as it may confuse people who are attempting to exit the property. The contractor called his boss, who informed him to install the item as per the work order. What item is being referred to in this statement? Who is correct: the FLSD or the contractor? Explain your answers.

971. The building suffered a blackout (loss of electricity). The FLSD immediately activated the Emergency Action Plan (EAP) and informed the occupants to conduct a Total Evacuation. The building is 57 floors, holds 2,000 people and has an emergency generator. The property manager argued with the FLSD that a blackout does not require the activation of the EAP, and that the total evacuation of the 2,000 occupants was not necessary. Who is correct: the property manager or the FLSD? Explain your answer.

972. Richard holds a Certificate of Fitness S-95 for the Supervision of Fire Alarm Systems and works at the property located at 389 West 58<sup>th</sup> Street. The property is used for people to stay for a short period of time. What is the main use of the property? What is the height of the property? Between which avenues is the property located on 58<sup>th</sup> Street? Explain your answers.

973. Two physical structures were converted into a hotel and the wall between them on FL-1 was removed . . . connecting the two buildings on FL-1. There are two Fire Alarm Control Panels (FACP), one for each building. How many FLSDs are required per shift in this hotel? Explain your answer.

974. Fire alarm systems are required to be maintained in good working order. Which National Fire Protection Association (NFPA) Standard sets forth detailed requirements for the periodic inspection, testing and other maintenance of fire alarm systems? Explain your answer.

975. It was the FLSDs first day of work at the hotel. A fire alarm activated on FL-23 and the FLSD informed the FLS Brigade via walkie-talkie (radios). He was confused as to why the three FLS Brigade members reported to the Fire Command Center (FCC) instead of executing their tasks when he reported to the FLS Brigade that there was a fire on FL-23. Why did the FLS Brigade members report to the FCC first? Explain your answer.

976. Hugh holds the Certificate of Fitness F-78 for the Cleaning and Testing of Smoke Detectors. Hugh informed the Building Evacuation Supervisor (BES) that he will be cleaning and testing the smoke detectors starting on Monday next week. Hugh is not employed by a fire alarm company. Why is Hugh authorized/not authorized to clean and test the smoke detectors in the building? Is this property a Group B, Group R-1 or Group R-2? Explain your answers.

977. The building was cited for having three unnecessary fire alarm activations within three months while the building was on-line. The FLSD stated that the building received a "Notice of Violation" for the unnecessary fire alarms. The Deputy FLSD stated that the building was issued a "Fire Department Summons." Who is correct? Explain your answer.

978. The building is a low rise and was built in 1987. What is the name of the vertical red pipe inside a stairwell? Explain your answer.

979. The building's property manager decided to purchase planters to install on the perimeter of the building at every 10 feet on the outside of the building. The building is three floors in height and was constructed in 2008. At a 10-foot distance there is a Fire Department Connection (FDC). The property manager goes ahead and installs the planters, blocking the FDC from view. The FLSD informs the property manager that it is illegal to obstruct the FDC. The property manager says, "It's OK." The Fire Department inspector showed the next day and issued the property manager a Notice of Violation. Is it "OK" to block the FDC? What color are the caps on the FDC? Explain your answers.

980. The construction of the building was stopped prematurely. What was a major mistake committed by the construction workers and discovered by the Construction Site Fire Safety Manager C of F holder S-56? Explain your answer.

981. The sprinklered head fused (opened) and the fire alarm did not activate. What went wrong? Explain your answer.

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982. The building is going through Local Law 11 of 1998: Façade Inspection Safety Program (FISP) mandating the installation of scaffolding over the sidewalk (where people walk in front/sides/back of the building). LL11/98's purpose is to protect pedestrians from debris falling from the façade of "old" buildings. The frontage of the building is covered by scaffolding while they inspect the facade. Why are the sidewalks on the south side and north side of the building NOT scaffolded? Explain your answer.

983. Jack stated that when the 2642 and 1620 keys are placed in the key switch inside the elevator and moved to the "HOLD" position, the Passenger Panel is disabled. Pete disagrees and states that, "the Passenger Panel is not disabled when the key switch is on the 'HOLD' position." Who is correct: Jack or Pete? Who used the 1620 key? Explain your answers.

984. Can the Phase I elevator recall action be superseded by anything? Does a waterflow switch activation recall the elevators? Explain your answers.

985. The no smoking signs on every floor of a privately-owned Spanish-speaking building in New York City state: "No Fume en este Edificio". The FLSD states that the primary no smoking sign must be in English and should state: "No Smoking in these Premises." Juan Rodriguez, the VP of Facilities Management for the building states that, "because the building has a Spanish speaking population, the signs may be posted in Spanish only as Spanish is the occupants' primary language." The building is not a Mission to the United Nations. Who is correct: The FLSD or Mr. Rodriguez? Explain your answer.

986. The fire alarm activated at 4:30p on a Friday in a commercial office building and the FLSD ordered a Total Evacuation. 30 minutes later the FLS Brigade members were informed by the FLSD to go to the Assembly Area and inform the 274 occupants to return to the building, but there was no one at the Assembly Area. What happened to the 274 people? Explain your answer.

987. John states that he has a Certificate of Fitness for "Safety Personnel." What C of F does John hold? Where does John work? Explain your answers.

988. In 2003, the World Trade Center Building Code Task Force found that compartmentation and smoke alarms do not provide the same level of fire protection as a full system of \_\_\_\_\_. As a result, buildings that were not \_\_\_\_\_, but were 100 feet or more in height, had to be retroactively \_\_\_\_\_ by July 1, 2019. What word is missing in all three blank lines? Explain your answer.

989. Charlie stated, "I am a Fire Safety/EAP Director." Between what years did Charlie make this statement? During that period, in what Building Group did Charlie work? Explain your answers.

990. The \_\_\_\_\_ was being trained by the FLSD for three hours. Was the \_\_\_\_\_ receiving initial or refresher training? What was being discussed in the training: Fire emergencies or non-fire emergencies? Is the training taking place in an office building (Group B) or hotel (Group R-1)? Explain your answers.

991. The heat transferred when the wastepaper basket caught on fire, and spread to the sofa, which then spread to the love seat and finally the curtains behind the love seat caught on fire. How was the heat transferring: Radiation, Conduction or Convection? Explain your answers.

992. The FLSD in a typical commercial office building stated that the "building has a Beam Smoke Detector." The Director of Security disagreed and stated that, "this building does not have a Beam Smoke Detector." The Crowd Control Manager at Madison Square Garden stated that "there is a Beam Smoke Detector in this building." Who is correct? Explain your answer.

993. Subway Rat is playing a concert at Barclays Center. The automatic fire alarm activates during the concert. What happened to Subway Rat's (David Polanco) mic/speakers? Explain your answer.

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994. The Fire Guard holding the Certificate of Fitness F-01 reports to the \_\_\_\_\_ in a commercial office building, to the \_\_\_\_\_ in a homeless shelter, and to the \_\_\_\_\_ at a construction site. Fill in the blanks. What is happening in the building where F-01 holders are working? Explain your answers.

995. The green sprinkler control valves have orange tags on every floor of the sprinkler riser. Who placed the tags on the valves? Why are the tags orange? Explain your answers.

996. There is a red tag taped to the Fire Alarm Control Panel (FACP). What is happening in the building? Who gave the FLSD the red tag to tape to the FACP? A fire guard is working on every shift holding the certificate of fitness (C of F) \_\_\_\_\_. Explain your answers.

997. The Master Fire Suppression Piping Contractor (MFSPC) removed the white discs from the red Fire Department Connections (FDC). What condition just ended in the building? What fire protection system was affected by the condition? Who was sent home? Explain your answers.

998. The Certificate of Occupancy (COO) for the residential building (Group R-2) is dated June 5, 2016. What feature was installed on the apartment doors in this residential building to assist with rescue operations? Explain your answer.

999. The FLSD stated that in the building where he works, which is un-sprinklered, the walls have a one-hour fire separation, which are installed (the walls) to not exceed a square footage of 7,500 sq. ft. The square footage of each floor is 8,000 sq. ft. The Security Manager states that there is one Deputy Fire Warden (DFW) on each floor. The FLSD states that there are two DFWs on each floor. Who is correct? Explain your answer.

1,000. 90 minutes have passed since the loss of power. There is no emergency generator in the building. What system shut down? Explain your answer.

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Hope you enjoyed answering and discussing these 1,000 scenarios. It was a pleasure writing them for all the FLSDs who protect New York City.

Thank you.

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